



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH GTH	TENSILE STRENGTH	ELONGATION %	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
BLACK AND CHARCOAL GREY																						
A140186103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	26	0	9
A140187101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	27	0	9
A140187102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	27	0	9
A140187103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	27	0	9
A140187201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	27	0	9
A140187202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	27	0	9
A140187203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	27	0	9
A140188101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9
A140185202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	9
A140185203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	9
A140186102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	26	0	9
A140185101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	9
A140185102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	9
A140185103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	9
A140185201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	9
A140189101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140189102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140189103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140189201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140189202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140189203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140189204	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9
A140190101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9
A140190102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9
A140190103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9



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COIL NUMBER	SIZE			QUANTITY		Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A140190201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9	
A140190202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9	
A140190203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	9	
A140191101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140191102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140191103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140191104	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140191201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140191202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140191203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	27	0	9	
A140192101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9	
A140192102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9	
A140192201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9	
A140192202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9	
A140192203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	292	370	34	192/99/93	6	20	25	H	26	0	9	
A140193101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140193102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140193103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140193201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140193202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140193203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140194101	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140194102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140194103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140194201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140194202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	
A140194203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	291	372	35	182/91/91	6	20	25	H	26	0	9	



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	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATIO N %	Both/Top/Bot	g/m ²	top prime	finls h	bot prime	HARD	60° GLOS	T- BEND (T)	IMPAC T (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%									
A140194204	0.550	1219	2.438	1	1.592	1.622	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	25	H	26	0	9
A140195201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	25	H	27	0	9
A140195202	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	25	H	27	0	9
A140195203	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	25	H	27	0	9
A140196101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140196102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140196103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140196204	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	25	H	27	0	9
A140197101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	25	H	27	0	9
A140197102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	25	H	27	0	9
A140197103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	25	H	27	0	9
A140197104	0.550	1219	2.438	1	1.618	1.648	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140196201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140196202	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140196203	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140197201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140197202	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140197203	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	25	H	27	0	9
A140188201	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	25	H	27	0	9
A140188202	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	25	H	27	0	9
A140188102	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	25	H	27	0	9
A140188103	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	25	H	27	0	9
A140188104	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	25	H	27	0	9
A140220201	0.550	1219	2.438	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	25	H	27	0	9
A140220202	0.550	1219	2.438	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	25	H	27	0	9
A140220203	0.550	1219	2.438	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	25	H	27	0	9
A140206101	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	25	H	26	0	9



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	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p		s	YIELD STRENGTH	TENSILE STRENGTH	ELON GATIO N	Both/Top/Bot	top prime	finis h	bot prime	HARD S	60° GLOS	T- BEND (T)	IMPAC T (J)	
A140206102	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	H	26	0	0	9	
A140206103	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	H	26	0	0	9	
A140206104	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	H	26	0	0	9	
A140185204	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	270	360	39	185/95/91	6	20	25	H	26	0	0	9	
A140188203	0.550	1219	2.438	1	1.700	1.730	4.3	0.7	17	11	10	272	363	37.5	185/91/95	6	20	25	H	27	0	0	9	
SUBTOTAL				85	144.310	146.860																		

COMMERCIAL BROWN AND POLAR WHITE

A130754103	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	0	9
A130754104	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	0	9
A130754201	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	0	9
A130754202	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	0	9
A130754203	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	0	9
A130754204	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	0	9
A130755101	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	6	20	25	F	30	0	0	9
A130755102	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	6	20	25	F	30	0	0	9
A130755103	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	6	20	25	F	30	0	0	9
A130755201	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	6	20	25	F	30	0	0	9
A130755202	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	6	20	25	F	30	0	0	9
A130755203	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	6	20	25	F	30	0	0	9
A130759101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	0	9
A130759102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	0	9
A130759103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	0	9
A130759201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	0	9
A130759202	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	0	9
A130759203	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	0	9
A130753103	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	295	380	39	186/91/96	6	20	25	F	30	0	0	9
A130753104	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	295	380	39	186/91/96	6	20	25	F	30	0	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A130753105	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	295	380	39	186/91/96	6	20	25	F	30	0	9
A130753301	0.550	1219	2.438	1	1.680	1.710	4.6	0.8	17	12	4	295	380	39	186/91/96	6	20	25	F	30	0	9
A130753302	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	295	380	39	186/91/96	6	20	25	F	30	0	9
A130753303	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	295	380	39	186/91/96	6	20	25	F	30	0	9
A130754101	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	9
A130754102	0.550	1219	2.438	1	1.700	1.730	4.6	0.8	17	12	4	282	377	42	185/93/92	7	20	25	F	30	0	9
SUBTOTAL				26	44.180	44.960																
COFFEE AND POLAR WHITE																						
A140053202	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140055301	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9
A140055302	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9
A140055303	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9
A140053101	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140053102	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140053103	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140053201	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140052201	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140052202	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140052301	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140052302	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140051302	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140051303	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140052101	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140052102	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	190/93/98	6	20	25	H	40	0	9
A140050303	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140051101	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140051102	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS	WIDTH	LENG TH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD S	60° GLOS	T-BEND (T)	IMPACT (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04
A140051103	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140051201	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140051202	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140051203	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140051301	0.550	1219	2.438	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140048301	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140048302	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140049101	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	39	0	9
A140049102	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	39	0	9
A140049103	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	39	0	9
A140050101	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	39	0	9
A140050102	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140050103	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140050201	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140050202	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140050301	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140050302	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	39	0	9
A140048102	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140048103	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140048201	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140048202	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140048203	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9
A140047101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	40	0	9
A140047102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	H	40	0	9
A140047201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	H	40	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPARED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH GTH	TENSILE STRENGTH	ELON GATIO N	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)	
																							x10 ²
A140047103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	H	40	0	9	
A140048101	0.550	1219	2.438	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	H	40	0	9	
A140045103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140045104	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140045201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140045202	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140045203	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140046101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	40	0	9	
A140046102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	40	0	9	
A140046103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	40	0	9	
A140043202	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	H	39	0	9	
A140043203	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	H	39	0	9	
A140045101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140045102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	7	20	25	H	39	0	9	
A140043101	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	H	39	0	9	
A140043103	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	H	39	0	9	
A140043102	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	H	39	0	9	
A140043201	0.550	1219	2.438	1	1.700	1.730	3.7	0.7	18	19	6	295	373	34.5	185/97/89	6	20	25	H	39	0	9	
A140055304	0.550	1219	2.438	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9	
SUBTOTAL				65	110.500	112.450																	
BLACK AND CHARCOAL GREY																							
B140200102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9	
B140200103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9	
B140200201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9	
B140200202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9	
A140232103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	273	361	39	196/100/97	6	20	25	H	27	0	9	
A140232201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	273	361	39	196/100/97	6	20	25	H	27	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
 GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755
 CERTIFICATE NO.: 201717-01
 DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS	WIDTH	LENG TH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04
A140232202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	273	361	39	196/100/97	6	20	25	H	27	0	9
A140232203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	273	361	39	196/100/97	6	20	25	H	27	0	9
A140224101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	27	0	9
A140224102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	27	0	9
A140224103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	27	0	9
A140224201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	27	0	9
A140231202	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140231203	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140232101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9
A140232102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9
A140231101	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140231102	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140231103	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140231201	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140230101	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140230102	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140230103	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140230104	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/93	6	20	25	H	27	0	9
A140229101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9
A140229102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9
A140229103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9
A140229104	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9
A140233201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9
A140233202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9
A140233203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9
A140234101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	27	0	9
A140234102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	27	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass	Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION %		Both/Top/Bot	top prime	finis h	bot prime	HARD S	60° GLOS	T-BEND (T)	IMPACT (J)
A140234103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	27	0	9	
A140234201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	27	0	9	
A140234202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	27	0	9	
A140234203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	27	0	9	
B140198101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9	
B140198102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9	
B140198103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9	
B140199101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	26	0	9	
B140199102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	26	0	9	
B140199103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	26	0	9	
B140200101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9	
A140232204	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9	
A140233101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9	
A140233102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9	
A140233103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	276	361	39	196/100/97	6	20	25	H	27	0	9	
B140204102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9	
B140204103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9	
B140214101	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
B140214102	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
B140200203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9	
B140201101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9	
B140201102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9	
B140204101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9	
B140214103	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
B140214104	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
B140216101	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97	6	20	25	H	26	0	9	
B140216102	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97	6	20	25	H	26	0	9	



MAANSHAN IRON AND STEEL CO., LTD

MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY		Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot		top prime	finis h	bot prime	HARD S	60° GLOS	T-BEND (T)	IMPACT (J)
															g/m ²	g/m ²							
B140216103	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	1971/100/97	6	20	25	01	02	26	03	04
B140217101	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	1971/100/97	6	20	25	H	26	26	0	9
B140217102	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	1971/100/97	6	20	25	H	26	26	0	9
B140217103	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	1971/100/97	6	20	25	H	26	26	0	9
B140217104	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	1971/100/97	6	20	25	H	26	26	0	9
B140218101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	27	0	9
B140218102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	27	0	9
B140218103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	27	0	9
A140220101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140220102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140220103	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140221101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140221203	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140222101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140222102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140222103	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140221103	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140221102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140221201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140221202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	315	390	38	198/105/93	6	20	25	H	27	27	0	9
A140222201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140222202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140222203	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140223101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140223102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140223201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9
A140223202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	27	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755
CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH GTH	TENSILE STRENGTH	ELONGATIO N	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²							
A140223203	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	18	20	8	268	311	39.5	199/94/106	6	20	25	H	27	0	9
A140224202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	27	0	9
A140225101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225104	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140225204	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	275	378	42	191/95/96	6	20	25	H	28	0	9
A140226101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140226102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140226103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140226201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140226203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140226202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140226204	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140217203	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97	6	20	25	H	26	0	9
A140217204	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97	6	20	25	H	26	0	9
A140218201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	0	9
A140218202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	0	9
A140218203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	0	9
A140219101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	0	9
A140219102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	0	9
A140219103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87	6	20	25	H	27	0	9
A140216202	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97	6	20	25	H	26	0	9
A140216203	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97	6	20	25	H	26	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)				Coat Property		
	THICKNESS	WIDTH	LENGTH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%										
A140217201	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97		6	20	25	H	26	0	9	
A140217202	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97		6	20	25	H	26	0	9	
A140215201	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96		6	20	25	H	26	0	9	
A140215202	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96		6	20	25	H	26	0	9	
A140216201	0.550	1219	3.048	1	1.700	1.730	3.9	0.7	17	14	7	291	374	41	197/100/97		6	20	25	H	26	0	9	
A140215203	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96		6	20	25	H	26	0	9	
A140212302	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140213101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140213102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140213103	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140213104	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140213201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140213202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140213203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106		6	20	25	H	26	0	9	
A140212201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140212202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140212203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140212301	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140210202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140210203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92		6	20	25	H	27	0	9	
A140211101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9	
A140211102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9	
A140211103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9	
A140211301	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9	
A140211302	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9	
A140211303	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9	
A140210101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91		6	20	25	H	26	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass				Colour Coating thickness (µm)				Coat Property		
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELON GATIO %	Both/Top/Bot	top prime	finis h	bot prime	HARD S	60° GLOS S	T- BEND (T)	IMPACT (J)			
																							x10 ²	x10 ²	x10 ²
A140210102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	H	26	0	9			
A140210103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	H	26	0	9			
A140210201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	H	26	0	9			
A140195101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	H	27	0	9			
A140195102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	H	27	0	9			
A140195103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	295	373	33	185/96/89	6	20	25	H	27	0	9			
A140198301	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9			
A140198302	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9			
A140198303	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9			
A140202103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9			
A140202201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9			
A140205101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A140205201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95	6	20	25	H	26	0	9			
A																									



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass				Colour Coating thickness (µm)				Coat Property		
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	SI	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bottom	g/m ²	top prime	finishes	bot prime	HARDNESS	60° GLOSS	T-BEND (T)	IMPACT (J)		
																								x10 ²	x10 ²
A140206204	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97		6	20	25	H	26	0	9		
A140207101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97		6	20	25	H	26	0	9		
A140207102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97		6	20	25	H	26	0	9		
A140208101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140208301	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140208302	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140209101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140209102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140208102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140208103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140208201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140208202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140209103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140209201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140209202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
A140209203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	189/89/100		6	20	25	H	26	0	9		
B140219203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87		6	20	25	H	27	0	9		
B140219202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87		6	20	25	H	27	0	9		
B140219201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	295	373	35	184/97/87		6	20	25	H	27	0	9		
B140228101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95		6	20	25	H	27	0	9		
B140228102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95		6	20	25	H	27	0	9		
A140204201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95		6	20	25	H	26	0	9		
A140204202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95		6	20	25	H	26	0	9		
A140204203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	391	39.5	196/101/95		6	20	25	H	26	0	9		
A140211201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94		6	20	25	H	27	0	9		
A140203101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95		6	20	25	H	27	0	9		
A140203102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95		6	20	25	H	27	0	9		



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755
CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)				Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A140203103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9
A140203104	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9
A140202101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9
A140202102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9
A140202202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9
A140202203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	393	39	195/100/95	6	20	25	H	27	0	9
A140200302	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9
A140201201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9
A140201202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9
A140201203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9
A140199201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	26	0	9
A140199202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	26	0	9
A140199203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	26	0	9
A140200301	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	378	41	184/96/88	6	20	25	H	27	0	9
A140197303	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	27	0	9
A140198201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9
A140198202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9
A140198203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	300	381	39	188/99/89	6	20	25	H	27	0	9
A140186201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	26	0	9
A140186202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	26	0	9
A140197301	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	27	0	9
A140197302	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	374	37.5	184/92/93	6	20	25	H	27	0	9
A140215101	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9
A140215102	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9
A140228201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140228202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9
A140212103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92	6	20	25	H	27	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04	
A140214201	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
A140214202	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
A140214203	0.550	1219	3.048	1	1.700	1.730	3.8	0.8	17	12	15	283	375	40	194/99/96	6	20	25	H	26	0	9	
A140211202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	27	0	9	
A140211203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	27	0	9	
A140212101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	27	0	9	
A140212102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	27	0	9	
A140227101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140227102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140227103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140227104	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140226104	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	269	372	39.5	189/94/95	6	20	25	H	27	0	9	
B140207201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	H	26	0	9	
B140207202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	H	26	0	9	
B140207203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	297	390	40	192/96/97	6	20	25	H	26	0	9	
A140227201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140227202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140227203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140227204	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140229201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140229202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	268	371	41	192/96/96	6	20	25	H	27	0	9	
A140230201	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/83	6	20	25	H	27	0	9	
A140230202	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/83	6	20	25	H	27	0	9	
A140230203	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	271	369	37	186/93/83	6	20	25	H	27	0	9	
A140186203	0.550	1219	3.048	1	0.520	0.550	4.3	0.7	17	11	10	269	361	40.5	191/94/97	6	20	25	H	26	0	9	
SUBTOTAL				247	418.244	425.654																	

COMMERCIAL BROWN AND POLAR WHITE



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS	WIDTH	LENG TH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS	T- BEND (T)	IMPACT (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04
A130757202	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130757203	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130758101	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130758102	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130757101	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130757102	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130757103	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130757201	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9
A130756201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756203	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756204	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756103	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130756104	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	F	30	0	9
A130760101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	9
A130760102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	9
A130760103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	9
A130760201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	9
A130760202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	373	35.5	190/98/92	6	20	25	F	29	0	9
A130761201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9
A130761202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9
A130761203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9
B130761101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9
B130761102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9
B130761103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9



MAANSHAN IRON AND STEEL CO., LTD

MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION %	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
B130761104	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9
A130767103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130767104	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130767201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130767202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768104	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130768204	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130766103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9
A130766104	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9
A130766105	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9
A130766201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9
A130766202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9
A130766203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9
A130767101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130767102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	299	372	35.5	182/94/89	6	20	25	F	30	0	9
A130763202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	F	29	0	9
A130764201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	29	0	9
A130764202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	29	0	9
A130764203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	29	0	9
A130765101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	30	0	9
A130765102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	30	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY			Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS	WIDTH	LENG	Coils	Net Weight	Gross Weight	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND	IMPACT	
	(mm)	(mm)	(m)	(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²	prime	h	prime	01	02	03	04	
A130766101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9	
A130766102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	30	0	9	
A130763101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	F	29	0	9	
A130763102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	F	29	0	9	
A130763103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	F	29	0	9	
A130763201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	F	29	0	9	
A130758302	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9	
A130758303	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9	
A130762201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	6	20	25	F	29	0	9	
A130762202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	6	20	25	F	29	0	9	
A130758103	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9	
A130758201	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9	
A130758202	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9	
A130758301	0.550	1219	3.048	1	1.700	1.730	4.7	0.3	17	10	8	279	378	35.5	187/92/95	6	20	25	F	30	0	9	
A130764101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	29	0	9	
A130764102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	29	0	9	
A130764103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	191/86/105	6	20	25	F	29	0	9	
A130761204	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	29	0	9	
A130762101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	6	20	25	F	29	0	9	
A130762102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	294	377	39	186/92/95	6	20	25	F	29	0	9	
A130765201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	30	0	9	
A130765202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	30	0	9	
A130765203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	296	372	35.5	193/96/97	6	20	25	F	30	0	9	
SUBTOTAL				77	130.900	133.210																	
COFFEE AND POLAR WHITE																							
A130645104	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9	
A140055101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION %	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04
A140055102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9
A140055201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	40	0	9
A140056201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	39	0	9
A140056202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	39	0	9
A140056203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	39	0	9
A140057201	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140057202	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140057203	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140057301	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140057302	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140058201	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140058202	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140058203	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140059101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140059102	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140059201	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140059202	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9
A140060101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	38	0	9
A140060102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	38	0	9
A140060103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	38	0	9
A140060104	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	38	0	9
A140060201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	38	0	9
A140060202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	295	386	39	185/89/96	6	20	25	H	38	0	9
A140061101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	H	38	0	9
A140061102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	H	38	0	9
A140061103	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	H	38	0	9
A140056102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	39	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPARED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY			Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
A140056103	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	39	0	9
A140058101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A140058102	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	274	368	40.5	188/97/91	6	20	25	H	38	0	9
A130546201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	40	0	9
A130546202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	40	0	9
A130546203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	40	0	9
A140056101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	H	39	0	9
A130545202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A130545203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A130546101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	40	0	9
A130546102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	40	0	9
A130545101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A130545102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A130545103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A130545201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A140072301	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140072302	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140073101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	37	0	9
A140073102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	37	0	9
A140074101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074103	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074203	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074301	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9
A140074302	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A140075101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	25	H	38	0	9
A140075102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	25	H	38	0	9
A140077201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	363	362	42	185/91/95	6	20	25	25	H	38	0	9
A140077202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	363	362	42	185/91/95	6	20	25	25	H	38	0	9
A140077203	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	363	362	42	185/91/95	6	20	25	25	H	38	0	9
A140078101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140078102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140078201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140078202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140078203	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140078301	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140078302	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	25	H	38	0	9
A140091102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
A140091103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
A140091104	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
A140092201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
A140092202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
A140092203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
A140092204	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
A140092205	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
A140093101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9
A140093102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9
A140093103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9
A140093104	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9
B140061301	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9
B140061302	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9
B140061303	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755
CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties		Zinc Coating Mass		Colour Coating thickness (µm)			Coat Property							
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
B140062201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9
B140062202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9
B140079101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	25	H	38	0	9
B140079102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	25	H	38	0	9
B140079103	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	25	H	38	0	9
B140079104	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	25	H	38	0	9
B140079201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	25	H	38	0	9
B140079202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	25	H	38	0	9
B140089101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92	6	20	25	25	H	40	0	9
B140089102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92	6	20	25	25	H	40	0	9
B140090101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140090102	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140090103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140090201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140090202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140090203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140091201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140091202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140091203	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140091204	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	25	H	40	0	9
B140092101	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
B140092102	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
B140092103	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
B140092104	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	290	377	38.5	184/94/91	6	20	25	25	H	40	0	9
B140093201	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9
B140093202	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9
B140093203	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	25	H	40	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property		
	THICKNESS	WIDTH	LENGTH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)	
	(mm)	(mm)	(m)				x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04	
B140093204	0.550	1219	3.048	1	1.700	1.730	3.7	0.7	18	19	6	292	369	35	193/91/102	6	20	25	H	40	0	9	
A140087202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106	6	20	25	H	39	0	9	
A140089201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92	6	20	25	H	40	0	9	
A140089202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	296	385	39.5	187/96/92	6	20	25	H	40	0	9	
A140091101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	388	38.5	188/97/92	6	20	25	H	40	0	9	
A140080204	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140087101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106	6	20	25	H	39	0	9	
A140087102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106	6	20	25	H	39	0	9	
A140087201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	363	41.5	190/84/106	6	20	25	H	39	0	9	
A140080104	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140080201	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140080202	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140080203	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140073202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/96/94	6	20	25	H	38	0	9	
A140080101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140080102	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140080103	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	38	0	9	
A140070103	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9	
A140070201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9	
A140070202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9	
A140073201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	298	388	39.5	186/93/94	6	20	25	H	37	0	9	
A140063105	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	368	364	41	184/94/91	6	20	25	H	39	0	9	
A140069201	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9	
A140069202	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9	
A140069203	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9	
A140059103	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9	
A140059104	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	273	367	40.5	187/99/88	6	20	25	H	39	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property						
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%										
A140063103	0.550	1219	3.048	1	1.710	1.740	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9	
A140063104	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9	
A140061201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9	
A140061202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9	
A140061203	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9	
A140062101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9	
A140062102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9	
A140062103	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	274	364	41	188/95/94	6	20	25	25	H	38	0	9	
A140063101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9	
A140063102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9	
A140064201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9	
A140064202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	25	H	40	0	9	
A140065201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9	
A140065202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9	
A140065301	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9	
A140065302	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9	
A140065303	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9	
A140066101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9	
A140066201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9	
A140066202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9	
A140066301	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9	
A140066302	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9	
A140066303	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9	
A140067201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	25	H	39	0	9	
A140067202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	25	H	39	0	9	
A140067203	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	25	H	39	0	9	
A140067301	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	25	H	39	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY			Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATIO N %	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
A140067302	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	H	39	0	9
A140067303	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	H	39	0	9
A140068101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	H	39	0	9
A140068102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	H	39	0	9
A140068103	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	H	39	0	9
A140068201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	284	377	36	180/89/92	6	20	25	H	39	0	9
A140069101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9
A140069102	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9
A140069103	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9
A140069104	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	294	376	36	191/95/96	6	20	25	H	40	0	9
A140070101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A140070102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	299	385	34	185/90/96	6	20	25	H	40	0	9
A140071101	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071102	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071201	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071202	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071203	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071204	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071301	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071302	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140071303	0.550	1219	3.048	1	1.700	1.730	4.3	0.7	17	11	10	297	382	34.5	186/97/90	6	20	25	H	37	0	9
A140072101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140072102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140072201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140072202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140072203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	H	36	0	9
A140075201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	36	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property		
	THICKNESS	WIDTH	LENGTH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²				01	02	03	04	
A140075202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	297	379	38.5	188/95/94	6	20	25	H	38	0	9	
A140076101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	H	38	0	9	
A140076102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	H	38	0	9	
A140076103	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	H	38	0	9	
A140076201	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	H	38	0	9	
A140076202	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	307	379	38.5	194/97/97	6	20	25	H	38	0	9	
A140077101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	H	38	0	9	
A140077102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	263	362	42	185/91/95	6	20	25	H	38	0	9	
A140082201	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	H	38	0	9	
A140082202	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	H	38	0	9	
A140082203	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	H	38	0	9	
A140083101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	H	38	0	9	
A140083102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140083103	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140083104	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140083201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140083202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140083203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140083204	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140085101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140085102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140085201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140085202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140085203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	273	367	41	187/95/93	6	20	25	H	38	0	9	
A140086301	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	H	40	0	9	
A140086302	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	H	40	0	9	
A140088101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	H	40	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property		
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)
A140088102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140088103	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140088104	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140088201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140088202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140088203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140088204	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140085203	0.550	1219	3.048	1	1.550	1.580	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9
A140086101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140086102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	270	364	39.5	186/85/101	6	20	25	25	H	40	0	9
A140054103	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	25	H	40	0	9
A140054201	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	25	H	40	0	9
A140054202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	25	H	40	0	9
A140054203	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	25	H	40	0	9
A140049201	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	25	H	39	0	9
A140049202	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	301	390	39	185/88/97	6	20	25	25	H	39	0	9
A140054101	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	25	H	40	0	9
A140054102	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	269	364	40.5	187/90/98	6	20	25	25	H	40	0	9
A140055202	0.550	1219	3.048	1	1.700	1.730	4.3	0.9	18	10	7	272	366	41	184/94/90	6	20	25	25	H	40	0	9
A140063201	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140063202	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140063203	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140063301	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140063302	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140063303	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140065102	0.550	1219	3.048	1	1.380	1.410	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property		
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A140065103	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9
A140067101	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	285	380	35.5	188/93/96	6	20	25	25	H	39	0	9
A140064101	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140064102	0.550	1219	3.048	1	1.700	1.730	4.5	0.8	17	12	5	268	364	41	184/94/91	6	20	25	25	H	39	0	9
A140065101	0.550	1219	3.048	1	1.700	1.730	4.3	0.6	16	18	5	299	392	40	185/95/91	6	20	25	25	H	39	0	9
A140066102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9
A140066103	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9
A140066203	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9
A140067102	0.550	1219	3.048	1	1.700	1.730	4.6	0.8	17	12	4	300	378	40	187/94/93	6	20	25	25	H	39	0	9
A140081101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	37	0	9
A140081102	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	37	0	9
A140081103	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	37	0	9
A140082101	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	38	0	9
A140082102	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	38	0	9
A140082103	0.550	1219	3.048	1	1.700	1.730	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	38	0	9
A140082104	0.550	1219	3.048	1	0.980	1.010	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	37	0	9
A140082105	0.550	1219	3.048	1	0.880	0.910	4.4	0.6	17	9	8	290	373	36	185/96/89	6	20	25	25	H	37	0	9
SUBTOTAL				263	445.100	452.990																	
COMMERCIAL BROWN AND POLAR WHITE																							
A130770201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9
A130770202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9
A130770203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9
A130770204	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9
A130770205	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9
A130770301	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9
A130770302	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102	6	20	25	25	F	30	0	9



MAANSHAN IRON AND STEEL CO., LTD

MILL TEST CERTIFICATES

CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property						
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%							01	02	03	04
A130770303	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	0	9
A130770304	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	0	9
A140002101	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	F	28	0	0	9
A140002102	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	F	28	0	0	9
A140002103	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	F	28	0	0	9
A140002201	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	F	28	0	0	9
A140002202	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	F	28	0	0	9
A140002203	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	F	28	0	0	9
A140003101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003104	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003105	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003204	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003301	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003302	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003303	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140003304	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	370	42	180/90/90		6	20	25	F	28	0	0	9
A140004102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	0	9
A140004103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	0	9
A140004104	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	0	9
A140004105	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	0	9
A140004201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	0	9
A140004202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property		
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)
A140004203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	9
A140004204	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	9
A140004205	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89		6	20	25	F	28	0	9
A140005101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89		6	20	25	F	29	0	9
A140005102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89		6	20	25	F	29	0	9
A140005201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89		6	20	25	F	29	0	9
A140005202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89		6	20	25	F	29	0	9
A140005203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89		6	20	25	F	29	0	9
A140006101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	F	29	0	9
A140006102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	F	29	0	9
A140006103	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	F	29	0	9
A140006201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	F	29	0	9
A140006202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	F	29	0	9
A140006203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	F	29	0	9
A140007101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A140007102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A140007103	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A130770105	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	9
A140007201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A140007202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A140007203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A130770101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	9
A130770102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	9
A130770103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	9
A130770104	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	277	363	41.5	198/96/102		6	20	25	F	30	0	9
A140007204	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100		6	20	25	F	29	0	9
A140008201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92		6	20	25	F	29	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION %	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)
A140008202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140008203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140009101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	F	01	02	03	04
A140009102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	F	01	02	03	04
A140009201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	F	01	02	03	04
A140009202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	F	01	02	03	04
A140009203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	F	01	02	03	04
A140010101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140010102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140010103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140010201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140010202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140010203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	01	02	03	04
A140011201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	01	02	03	04
A140011202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	01	02	03	04
A140011203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	01	02	03	04
A140011204	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	01	02	03	04
A140012101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	F	01	02	03	04
A140012102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	F	01	02	03	04
A140012103	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	F	01	02	03	04
A140012201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	F	01	02	03	04
A140012202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	F	01	02	03	04
A140012203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	F	01	02	03	04
A140013101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	01	02	03	04
A140013102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	01	02	03	04
A140013103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	01	02	03	04
A140013104	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	01	02	03	04



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPARED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH GTH	TENSILE STRENGTH	ELON GATIO N	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPAC T (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ³	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²								
A140013201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013204	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013205	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013301	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013302	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013303	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
A140013304	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	287	372	40.5	185/91/94	6	20	25	F	30	0	9	
B140004301	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89	6	20	25	F	28	0	9	
B140004302	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89	6	20	25	F	28	0	9	
B140004303	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89	6	20	25	F	28	0	9	
B140004304	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	283	368	42	186/97/89	6	20	25	F	28	0	9	
B140008101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	29	0	9	
B140008102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	29	0	9	
A140011101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	30	0	9	
A140011102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	30	0	9	
A140011103	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	30	0	9	
A140011104	0.690	1219	3.048	1	1.570	1.600	4.7	0.3	17	10	8	292	384	40.5	185/85/100	6	20	25	F	30	0	9	
B140008103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	290	380	42	184/93/92	6	20	25	F	29	0	9	
SUBTOTAL				108	181.330	184.570																	
COFFEE AND POLAR WHITE																							
A140096101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	H	40	0	9	
A140096102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	H	40	0	9	
A140096103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	H	40	0	9	
A140096104	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95	6	20	25	H	40	0	9	
A140095101	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/84	6	20	25	H	40	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755
CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPACT (J)
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ²	x10 ³	x10 ³	N/mm ²	N/mm ²	%							01	02	03
A140095102	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	H	40	0	9
A140095103	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	H	40	0	9
A140095201	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	H	40	0	9
A140095202	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	H	40	0	9
A140095203	0.690	1219	3.048	1	1.680	1.710	3.9	0.7	17	14	7	284	373	33	186/92/94		6	20	25	H	40	0	9
A140096201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95		6	20	25	H	40	0	9
A140096202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95		6	20	25	H	40	0	9
A140096203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95		6	20	25	H	40	0	9
A140096204	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	288	382	41	184/90/95		6	20	25	H	40	0	9
A140097101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097103	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097104	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097204	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140097205	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	290	380	41	187/90/97		6	20	25	H	40	0	9
A140098101	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90		6	20	25	H	40	0	9
A140098102	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90		6	20	25	H	40	0	9
A140098201	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90		6	20	25	H	40	0	9
A140098202	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90		6	20	25	H	40	0	9
A140098203	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90		6	20	25	H	40	0	9
A140099101	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92		6	20	25	H	40	0	9
A140099102	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92		6	20	25	H	40	0	9
A140099103	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92		6	20	25	H	40	0	9
A140099104	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92		6	20	25	H	40	0	9



MAANSHAN IRON AND STEEL CO., LTD

MILL TEST CERTIFICATES

GOODS: PRIME PREPAINED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)
A140099201	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92	6	20	25	H	39	0	9	
A140099202	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92	6	20	25	H	39	0	9	
A140099203	0.690	1219	3.048	1	1.680	1.710	4.4	0.9	18	11	7	293	378	42	183/91/92	6	20	25	H	39	0	9	
A140100101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	H	40	0	9	
A140100102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	H	40	0	9	
A140100201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	H	40	0	9	
A140100202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	H	40	0	9	
A140100203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	H	40	0	9	
A140100204	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	288	380	41.5	183/89/94	6	20	25	H	40	0	9	
A140101101	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101102	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101103	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101104	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101201	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101202	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101203	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140101204	0.690	1219	3.048	1	1.680	1.710	4.7	0.3	17	10	8	274	369	35.5	183/95/89	6	20	25	H	40	0	9	
A140102101	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90	6	20	25	H	40	0	9	
A140102102	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90	6	20	25	H	40	0	9	
A140102201	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90	6	20	25	H	40	0	9	
A140102202	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90	6	20	25	H	40	0	9	
A140102203	0.690	1219	3.048	1	1.680	1.710	4.5	0.8	18	20	8	297	383	40.5	185/96/90	6	20	25	H	40	0	9	
A140099105	0.690	1219	3.048	1	0.990	1.020	4.4	0.9	18	11	7	293	378	42	183/91/92	6	20	25	H	39	0	9	
SUBTOTAL				55	91.710	93.360																	
BLACK AND CHARCOAL GREY																							
A140168202	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	F	27	0	9	
A140168203	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	F	27	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
 GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755
 CERTIFICATE NO.: 201717-01
 DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS	WIDTH	LENGTH	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)		
	(mm)	(mm)	(m)																				x10 ²	x10 ²
A140169101	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	F	26	0	9		
A140169102	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	F	26	0	9		
A140169103	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	F	26	0	9		
A140169201	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	F	26	0	9		
A140169202	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	F	26	0	9		
A140169203	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	F	26	0	9		
A140171101	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A140171102	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A140171103	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A140171104	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A14017201	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A14017202	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A14017203	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A140172101	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	298	392	39	192/97/96	6	20	25	H	26	0	9		
A140172102	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	25	0	9		
A140172103	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	25	0	9		
A140172201	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	25	0	9		
A140172202	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	25	0	9		
A140172203	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	299	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173101	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173102	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173103	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173104	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173201	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173202	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
A140173203	0.380	1219	2.438	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	25	0	9		
B140181104	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9		

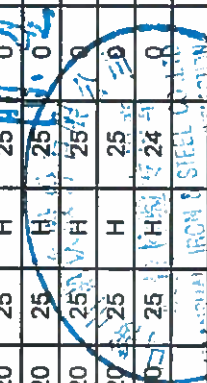


MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property					
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH GTH	TENSILE STRENGTH	ELON GATIO N	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPAC T (J)	
	(mm)	(mm)	(m)		(mt)	(mt)	x10 ²	x10 ²	x10 ³	x10 ³	x10 ³	N/mm ²	N/mm ²	%	g/m ²								
B140181201	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
B140182101	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
B140182102	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
B140182103	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
B140182104	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
A140168101	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	F	27	0	9	
A140168102	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	F	27	0	9	
A140168201	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	F	27	0	9	
A140168103	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	F	27	0	9	
B140174102	0.380	1219	2.438	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9	
B140174103	0.380	1219	2.438	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9	
B140174104	0.380	1219	2.438	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9	
B140181101	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
B140181102	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
B140181103	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
A140182202	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
A140182203	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
A140182204	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
B140174101	0.380	1219	2.438	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9	
A140181201	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
A140181202	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
A140181203	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	303	397	40	192/94/98	6	20	25	H	25	0	9	
A140182201	0.380	1219	2.438	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	24	0	9	
SUBTOTAL				52	87.204	88.764																	
COFFEE AND POLAR WHITE																							
A130532201	0.380	1219	2.438	1	1.610	1.640	4.3	0.9	18	10	7	334	398	31.5	187/67/101	6	20	5	H	40	0	9	
A130532203	0.380	1219	2.438	1	1.630	1.660	4.3	0.9	18	10	7	334	398	31.5	187/67/101	6	20	5	H	40	0	9	





MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE			QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property		
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	p	s	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A130532204	0.380	1219	2.438	1	1.630	1.660	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	5	H	40	0	9
A130532205	0.380	1219	2.438	1	1.610	1.640	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	5	H	40	0	9
A130533001	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	328	393	32.5	184/102/82		6	20	5	H	40	0	9
A130533002	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	328	393	32.5	184/102/82		6	20	5	H	40	0	9
A130533003	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	328	393	32.5	184/102/82		6	20	5	H	40	0	9
A130543201	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130543202	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130543203	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130543204	0.380	1219	2.438	1	1.680	1.710	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130537103	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	332	399	30	187/108/79		6	20	5	H	39	0	9
A130542101	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130542102	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130542103	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130535101	0.380	1219	2.438	1	1.550	1.580	4.3	0.9	18	10	7	332	399	30	187/108/79		6	20	5	H	40	0	9
A130535102	0.380	1219	2.438	1	1.550	1.580	4.3	0.9	18	10	7	332	399	30	187/108/79		6	20	5	H	40	0	9
A130535104	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	332	399	30	187/108/79		6	20	5	H	40	0	9
A130537102	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	5	H	38	0	9
A130529101	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	294	393	41.5	191/102/89		6	20	5	H	46	0	9
A130529102	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	294	393	41.5	191/102/89		6	20	5	H	46	0	9
A130529103	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	294	393	41.5	191/102/89		6	20	5	H	46	0	9
A130535103	0.380	1219	2.438	1	1.650	1.680	4.3	0.9	18	10	7	332	399	30	187/108/79		6	20	5	H	39	0	9
A140272101	0.380	1219	2.438	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101		7	20	25	F	33	0	9
A140272102	0.380	1219	2.438	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101		7	20	25	F	33	0	9
A140272103	0.380	1219	2.438	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101		7	20	25	F	33	0	9
A140272201	0.380	1219	2.438	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101		7	20	25	F	33	0	9
A140272202	0.380	1219	2.438	1	1.330	1.360	4.3	0.5	19	11	16	267	354	36	191/90/101		7	20	25	F	33	0	9
B130530101	0.380	1219	2.438	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88		6	20	25	H	46	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH	TENSILE STRENGTH	ELON GATION	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPAC T (J)
B130530102	0.380	1219	2.438	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	46	0	9
SUBTOTAL				30	49.310	50.210																
BLACK AND CHARCOAL GREY																						
A140178201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9
A140178101	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9
A140178102	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9
A140178103	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9
A140177203	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140177101	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140177102	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140177201	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140177202	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140176201	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140176202	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140176203	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140176204	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140174201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140174202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140174203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140175101	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140175203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140176101	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140176102	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140176103	0.380	1219	3.048	1	1.690	1.720	4.5	0.8	18	20	8	307	404	38.5	183/91/92	6	20	25	H	24	0	9
A140175102	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140175103	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9
A140175201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELON GATIO N (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A140175202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	304	398	40	208/104/104	6	20	25	H	25	0	9	
A140183102	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	25	0	9	
A140183103	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	25	0	9	
A140183104	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	25	0	9	
A140183201	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	25	0	9	
A140183202	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	25	0	9	
A140184101	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	24	0	9	
A140184102	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	24	0	9	
A140184103	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	24	0	9	
A140178202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	
A140178203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	
A140179102	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140179103	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140184201	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	24	0	9	
A140184202	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	24	0	9	
A140184203	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	299	394	40	191/99/92	6	20	25	H	24	0	9	
A140179104	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140179201	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140179202	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140179203	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140180201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	
A140180202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	
A140180203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	
A140183101	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	268	315	36.5	193/94/100	6	20	25	H	25	0	9	
A140179204	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98	6	20	25	H	25	0	9	
A140180101	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	
A140180102	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9	



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY			Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELON GATIO N (%)	Both/Top/Bot	top prime	finis h	bot prime	HARD	60° GLOS S	T- BEND (T)	IMPAC T (J)
A140180103	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	17	12	10	299	396	39.5	199/100/100	6	20	25	H	24	0	9
SUBTOTAL				52	87.880	89.440																
COFFEE AND POLAR WHITE																						
A130538202	0.380	1219	3.048	1	1.696	1.726	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130538203	0.380	1219	3.048	1	1.696	1.726	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130539101	0.380	1219	3.048	1	1.660	1.690	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130539102	0.380	1219	3.048	1	1.660	1.690	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130534101	0.380	1219	3.048	1	1.696	1.726	4.3	0.9	18	10	7	334	398	31.5	187/87/101	6	20	25	H	40	0	9
A130534102	0.380	1219	3.048	1	1.696	1.726	4.3	0.9	18	10	7	334	398	31.5	187/87/101	6	20	25	H	40	0	9
A130534103	0.380	1219	3.048	1	1.696	1.726	4.3	0.9	18	10	7	334	398	31.5	187/87/101	6	20	25	H	40	0	9
A130538201	0.380	1219	3.048	1	1.696	1.726	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130538101	0.380	1219	3.048	1	1.673	1.703	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130538102	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130538103	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130539104	0.380	1219	3.048	1	1.720	1.750	4.4	0.9	18	11	7	334	404	42	187/84/103	6	20	25	H	39	0	9
A130532101	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	334	398	31.5	187/87/101	6	20	25	H	40	0	9
A130532102	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	334	398	31.5	187/87/101	6	20	25	H	40	0	9
A130536101	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	328	393	32.5	184/102/82	6	20	25	H	39	0	9
A130536102	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	328	393	32.5	184/102/82	6	20	25	H	39	0	9
A130540101	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	39	0	9
A130540102	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	39	0	9
A130540103	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	39	0	9
A130540104	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	39	0	9
A130541101	0.380	1219	3.048	1	1.649	1.679	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	39	0	9
A130541102	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	38	0	9
A130541103	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	38	0	9
A130541104	0.380	1219	3.048	1	1.710	1.740	4.4	0.9	18	11	7	274	365	34.5	194/116/78	6	20	25	H	38	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

CERTIFICATE NO.: 201717-01

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY			Chemical Analysis					Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property			
	THICKNESS (mm)	WIDTH (mm)	LENG TH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)
A130543101	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	25	H	38	0	9
A130543102	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	25	H	38	0	9
A130543103	0.380	1219	3.048	1	1.710	1.740	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	25	H	38	0	9
A130539103	0.380	1219	3.048	1	1.700	1.730	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130540201	0.380	1219	3.048	1	1.700	1.730	4.4	0.9	18	11	7	274	365	34.5	194/116/78		6	20	25	H	39	0	9
A130540202	0.380	1219	3.048	1	1.700	1.730	4.4	0.9	18	11	7	274	365	34.5	194/116/78		6	20	25	H	39	0	9
A130536203	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	328	393	32.5	184/102/82		6	20	25	H	39	0	9
A130538204	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130538205	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130539201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130539202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130539203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130539204	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	334	404	42	187/84/103		6	20	25	H	39	0	9
A130541201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	274	365	34.5	194/116/78		6	20	25	H	38	0	9
A130541202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	274	365	34.5	194/116/78		6	20	25	H	38	0	9
A130541203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	274	365	34.5	194/116/78		6	20	25	H	38	0	9
A130541204	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	274	365	34.5	194/116/78		6	20	25	H	38	0	9
A130542201	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	25	H	38	0	9
A130542202	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	272	362	34.5	206/126/81		6	20	25	H	38	0	9
A140104101	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98		6	20	25	H	39	0	9
A140104102	0.380	1219	3.048	1	1.690	1.720	4.3	0.8	17	14	6	302	396	40	195/97/98		6	20	25	H	39	0	9
A130532103	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	25	H	40	0	9
A130532104	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	25	H	40	0	9
A130532105	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	25	H	40	0	9
A130534201	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	25	H	40	0	9
A130534202	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	25	H	40	0	9
A130534203	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	334	398	31.5	187/87/101		6	20	25	H	40	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET
GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01
DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property				
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH N/mm ²	TENSILE STRENGTH N/mm ²	ELONGATION %	Both/Top/Bot g/m ²	top prime	finis h	bot prime	HARD	60° GLOS	T-BEND (T)	IMPACT (J)
A130535201	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	332	399	30	187/108/79	6	20	25	H	40	0	9
A130535202	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	332	399	30	187/108/79	6	20	25	H	40	0	9
A130529201	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	46	0	9
A130529202	0.380	1219	3.048	1	1.690	1.720	4.4	0.6	17	9	8	294	393	41.5	191/102/89	6	20	25	H	46	0	9
A130530201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	46	0	9
A130530202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	46	0	9
A130530203	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	46	0	9
A130531101	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	45	0	9
A130531102	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	45	0	9
A130531103	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	45	0	9
A130531201	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	45	0	9
A130531202	0.380	1219	3.048	1	1.690	1.720	4.4	0.9	18	11	7	297	398	39.5	187/100/88	6	20	25	H	45	0	9
A130537201	0.380	1219	3.048	1	1.654	1.684	4.3	0.9	18	10	7	332	399	30	187/108/79	6	20	25	H	39	0	9
A130543301	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	272	362	34.5	206/126/81	6	20	25	H	38	0	9
A130535203	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	332	399	30	187/108/79	6	20	25	H	40	0	9
A130535204	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	332	399	30	187/108/79	6	20	25	H	40	0	9
A130536201	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	328	393	32.5	184/102/82	6	20	25	H	39	0	9
A130536202	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	328	393	32.5	184/102/82	6	20	25	H	39	0	9
A140273101	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140273102	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140273103	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140273104	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140273201	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140273202	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140273203	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	268	353	37.5	193/94/100	7	20	25	F	33	0	9
A140274101	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	F	33	0	9
A140274102	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	F	33	0	9



MAANSHAN IRON AND STEEL CO., LTD MILL TEST CERTIFICATES

GOODS: PRIME PREPAINTED GALVANIZED STEEL SHEET

GRADE: ACCORDING TO ASTM A653/CS-B PAINTED ACCORDING TO ASTM A755

CERTIFICATE NO.: 201717-01

DATE: 2017/4/12

COIL NUMBER	SIZE		QUANTITY		Chemical Analysis				Mechanical Properties			Zinc Coating Mass			Colour Coating thickness (µm)			Coat Property						
	THICKNESS (mm)	WIDTH (mm)	LENGTH (m)	Coils	Net Weight (mt)	Gross Weight (mt)	C	Si	Mn	P	S	YIELD STRENGTH (N/mm ²)	TENSILE STRENGTH (N/mm ²)	ELONGATION (%)	Both/Top/Bot	g/m ²	top prime	finis h	bot prime	HARD	60° GLOS S	T-BEND (T)	IMPACT (J)	
A140274103	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	25	F	33	0	0	9
A140274104	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	25	F	33	0	0	9
A140274201	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	25	F	33	0	0	9
A140274202	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	25	F	33	0	0	9
A140274203	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	25	F	33	0	0	9
A140274204	0.380	1219	3.048	1	1.690	1.720	4.3	0.5	19	11	16	267	354	36	191/90/101	7	20	25	25	F	33	0	0	9
B130537201	0.380	1219	3.048	1	1.690	1.720	4.3	0.9	18	10	7	332	399	30	187/108/79	6	20	25	25	F	39	0	0	9
SUBTOTAL				85	143.912	146.462																		
TOTAL				1145	1934.580	1968.930																		
<NOTE> INSPECTION CERTIFICATE													Quality Control center Auditor:											

