

XINGHAN

冠县仁泽复合材料有限公司
GUANXIAN RENZE COMPOSITE MATERIALS CO., LTD.
地址: 中国山东聊城冠县新世纪工业园

产品质量证明书 MILL'S TEST CERTIFICATE

Address: Guan Xian industry Park, Liaocheng, Shandong, China

订货单位 CUSTOMER		CUMIC STEEL USA, INC								钢号	GR.37					产品名称 PRODUCT		PRIME NEWLY PRODUCED GALVALUME STEEL PLAIN SHEETS	
收货单位 PURCHASER		PRODALAM S. A.									签发日期 OF ISSUE		DATE		2025.11.20				
标准 SPECIFICATION		ASTM A792M									合同号 NO.		CONTRACT		VS202509125086				
捆号 PACK No.	重量 WEIGHT	片数 PIECE	成品规格 Size (mm)	表面处理 surface treatment	盐雾试验 salt spray test	镀层成分 (%) The composition of coating			镀层质量 mass (g/m ²)	化学成分 CHEMICAL COMPOSITION (%)					力学性能 MECHANIC PROPERTIES				
						Al	Zn	Si		C	Mn	P	S	Si	R _{el} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB	
5086-055	1.642	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63	
5086-056	1.646	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64	
5086-057	1.638	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	
5086-058	1.64	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62	
5086-059	1.636	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63	
5086-060	1.642	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64	
5086-061	1.63	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5	
5086-062	1.642	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63	
5086-063	1.628	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64	
5086-064	1.632	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	
5086-065	1.616	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62	
5086-066	1.638	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63	
5086-067	1.638	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64	
5086-068	1.632	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5	
5086-069	1.632	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63	
5086-070	1.634	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64	
5086-071	1.622	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	
5086-072	1.62	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62	
5086-073	1.637	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63	
5086-074	1.628	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64	
5086-075	1.635	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5	
5086-076	1.642	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63	
5086-077	1.635	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64	
5086-078	1.638	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	
5086-079	1.634	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62	
5086-080	1.631	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63	

捆号 PACK No.	重量 WEIGHT	片数 PIECE	成品规格 Size (mm)	表面处理 surface treatment	盐雾试验 salt spray test	镀层成分(%) The composition of coating			镀层质量 coating mass (g/m ²)	化学成分 CHEMICAL COMPOSITION(%)					力学性能 MECHANIC PROPERTIES			
						Al	Zn	Si		C	Mn	P	S	Si	R _{el} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB
5086-081	1.637	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64
5086-082	1.637	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5
5086-083	1.635	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-084	1.626	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64
5086-085	1.617	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5
5086-086	1.624	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62
5086-087	1.637	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63
5086-088	1.635	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64
5086-089	1.629	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5
5086-090	1.633	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-091	1.629	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64
5086-092	1.625	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5
5086-093	1.633	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62
5086-094	1.637	200	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63
5086-095	0.925	111	0.35*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64
5086-001	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5
5086-002	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-003	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64
5086-004	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5
5086-005	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62
5086-006	1.87	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63
5086-007	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64
5086-008	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5
5086-009	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-010	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	31	64
5086-011	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5
5086-012	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.03	0.22	0.008	0.008	0.04	330	388	32	62
5086-013	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.22	0.008	0.009	0.04	330	380	30	63
5086-014	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	333	385	32	64
5086-015	1.888	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.033	0.23	0.008	0.009	0.04	325	385	31	62.5
5086-016	1.892	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.04	330	380	32	62
5086-017	1.872	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-018	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.031	0.25	0.007	0.01	0.04	333	385	32	64
5086-019	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.035	0.26	0.008	0.009	0.04	330	380	30	63
5086-020	1.886	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.032	0.22	0.008	0.009	0.04	333	385	31	64
5086-021	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.032	0.22	0.008	0.009	0.04	325	380	31	62.5
5086-022	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.033	0.23	0.008	0.009	0.04	330	385	32	62
5086-023	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.032	0.21	0.009	0.009	0.04	330	385	31	63
5086-024	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.031	0.25	0.007	0.01	0.04	333	388	32	64

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						Al	Zn	Si		C	Mn	P	S	Si	R _{el} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB
5086-025	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.035	0.26	0.008	0.009	0.04	325	380	31	62.5
5086-026	1.884	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.03	0.22	0.008	0.008	0.04	330	385	32	62
5086-027	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.032	0.22	0.008	0.009	0.04	330	385	30	63
5086-028	1.868	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.035	0.26	0.008	0.009	0.04	333	380	32	64
5086-029	1.872	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	325	380	31	62.5
5086-030	1.884	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.033	0.23	0.008	0.009	0.04	330	385	32	62
5086-031	1.894	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-032	1.894	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.04	333	385	32	64
5086-033	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.035	0.26	0.008	0.009	0.04	333	388	32	64
5086-034	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.03	0.22	0.008	0.008	0.04	325	380	31	62.5
5086-035	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.04	330	385	32	62
5086-036	1.89	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.032	0.22	0.008	0.009	0.04	330	385	30	63
5086-037	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.033	0.23	0.008	0.009	0.04	333	380	32	64
5086-038	1.878	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.032	0.21	0.009	0.009	0.04	325	380	31	62.5
5086-039	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	385	32	62
5086-040	1.884	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.035	0.26	0.008	0.009	0.04	333	380	32	64
5086-041	1.884	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	325	380	31	62.5
5086-042	1.884	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.033	0.23	0.008	0.009	0.04	330	385	32	62
5086-043	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.04	330	380	30	63
5086-044	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.04	333	385	32	64
5086-045	1.902	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	157	0.035	0.26	0.008	0.009	0.04	333	388	32	64
5086-046	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.03	0.22	0.008	0.008	0.04	325	380	31	62.5
5086-047	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.04	330	385	32	62
5086-048	1.882	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	154	0.032	0.22	0.008	0.009	0.04	330	385	30	63
5086-049	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	156	0.033	0.23	0.008	0.009	0.04	333	380	32	64
5086-050	1.876	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.032	0.21	0.009	0.009	0.04	325	380	31	62.5
5086-051	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.04	330	385	32	62
5086-052	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.035	0.26	0.008	0.009	0.04	333	380	32	64
5086-053	1.88	200	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.04	325	380	31	62.5
5086-054	1.042	110	0.4*1000*3000	CHROMATED	72h	55	43.4	1.6	158	0.033	0.23	0.008	0.009	0.04	330	385	32	62
	166.971																	

NOTE: 1、ReL : lower yield strength Rm : tensile strength A: percentage elongation after fracture

2、1 N/mm2=1 MPa

证明本表所列制品，均依材料规格制造及试验，并符合规格之要求

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULT IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

质量部
DEPARTM

XINGHAN

MILL'S TEST CERTIFICATE
产品质量证明书

冠县仁泽复合材料有限公司
GUANYIAN RENZE COMPOSITE MATERIALS CO., LTD.
地址：中国山东聊城冠县新世纪工业园

Address: Guan Xian industry Park, Liaocheng, Shandong, China

定 货 单 位 CUSTOMER			CUMIC STEEL USA, INC								合 同 号 CONTRACT NO.				VS202509125086										
产 品 名 称 NAME OF PRODUCT			PRIME NEWLY PRODUCED PREPAINTED GALVALUMI STEEL SHEETS WITHOUT PROTECTIVE FILM								证 明 书 日 期 T/C ISSUE DATE				2025. 11. 20										
捆 号 PACK NO.	捆 重 NET WEIGHT	片 数 PIECE	规 格 及 数 量 MATERIAL DESCRIPTION			化 学 成 分 CHEMICAL COMPOSITION% (熔 炼 分 析 HEAT ANALYSIS)					力 学 性 能 MECHANIC PROPERTIES				两 面 BOTH COATIN	涂 层 性 能 COAT PROPERTY									
			规格mm SIZE	面漆 Top paint	背漆 Back paint	C	Mn	P	S	Si	R _{el}	R _m	A	硬 度 HARDNESS		面漆涂 层厚度 facial coating	背漆涂 层厚度 Back coating	面漆涂 层T弯 T-bend	背漆涂 层T弯 T-bend	反 向 冲 击 impact test	涂 层 擦 拭 wipe coating	光 泽 gloss	涂 层 色 差 chromaticity difference		
5086-171	2.162	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	154	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-172	2.187	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	388	32	62	152	20	8	2T	2T	9J	120/80	58.6	0.31		
5086-173	2.166	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	156	20	8	2T	2T	9J	120/80	58.5	0.31		
5086-174	2.171	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	32	64	155	20	8	2T	2T	9J	120/80	59.6	0.33		
5086-175	2.167	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	155	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-176	2.147	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	152	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-177	2.173	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	31	64	154	20	8	2T	2T	9J	120/80	58.6	0.31		
5086-178	2.171	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	152	20	8	2T	2T	9J	120/80	58.5	0.32		
5086-179	2.181	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	388	32	62	156	20	8	2T	2T	9J	120/80	59.6	0.31		
5086-180	2.203	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	155	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-181	2.173	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	32	64	155	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-182	2.174	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	152	20	8	2T	2T	9J	120/80	58.6	0.32		
5086-183	2.17	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	154	20	8	2T	2T	9J	120/80	58.5	0.31		
5086-184	2.175	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	31	64	152	20	8	2T	2T	9J	120/80	59.6	0.33		
5086-185	2.182	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	156	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-186	2.177	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	388	32	62	155	20	8	2T	2T	9J	120/80	57.8	0.31		
5086-187	2.175	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	155	20	8	2T	2T	9J	120/80	58.6	0.31		
5086-188	2.175	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	32	64	152	20	8	2T	2T	9J	120/80	58.5	0.32		
5086-189	2.163	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	154	20	8	2T	2T	9J	120/80	59.6	0.31		



MILL'S TEST CERTIFICATE 产品质量证明书

冠县仁泽复合材料有限公司
GUANXIAN RENZE COMPOSITE MATERIALS CO., LTD.
地址: 中国山东聊城冠县新世纪工业园

Address: Guan Xian industry Park, Liaocheng, Shandong, China

定 货 单 位 CUSTOMER			CUMIC STEEL USA, INC								合同号 CONTRACT NO.				VS202509125086								
产 品 名 称 NAME OF PRODUCT			PRIME NEWLY PRODUCED PREPATNTED GALVALUME STEEL SHEETS WITHOUT PROTECTIVE FILM								证 明 书 日 期 T/C ISSUE DATE				2025. 11. 20								
捆号 PACK NO.	捆重 NET WEIGHT	片数 PIECE	规格及数量 MATERIAL DESCRIPTION			化学成分 CHEMICAL COMPOSITION% (熔炼分析 HEAT ANALYSIS)					力学性能 MECHANIC PROPERTIES				镀层重量 COATING	涂层性能 COAT PROPERTY							
			规格mm SIZE	面漆 Top paint	背漆 Back paint	C	Mn	P	S	Si	R _{eL}	R _m	A	硬度 HARDNESS		两面 BOTH	面漆涂 层厚度 facial coating	背漆涂 层厚度 Back coating	面漆涂 层T弯 T-bend	背漆涂 层T弯 T-bend	反向冲 击 impact test	涂层擦拭 wipe coating	光泽 gloss
5086-190	2.193	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	152	20	8	2T	2T	9J	120/80	57.8	0.31
5086-191	2.178	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	31	64	156	20	8	2T	2T	9J	120/80	57.8	0.31
5086-192	2.192	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	155	20	8	2T	2T	9J	120/80	58.6	0.32
5086-193	2.186	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	333	385	31	64	155	20	8	2T	2T	9J	120/80	58.5	0.31
5086-19J	2.188	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	325	385	31	62.5	152	20	8	2T	2T	9J	120/80	59.6	0.33
5086-195	2.185	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	388	32	62	153	20	8	2T	2T	9J	120/80	57.8	0.31
5086-200	2.178	200	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	155	20	8	2T	2T	9J	120/80	57.8	0.31
5086-201	2.216	202	0,4*1219*3000	RAL9017	RAL9002	0.035	0.26	0.008	0.009	0.04	330	380	30	63	155	20	8	2T	2T	9J	120/80	57.8	0.31
	58.808																						

NOTE: ReL : lower yield strength Rm : tensile strength A: percentage elongation after fracture

证明本表所列制品, 均依材料规格制造及试验, 并符合规格之要求
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULT IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.





冠县仁泽复合材料有限公司

GUANXIAN RENZE COMPOSITE MATERIALS CO., LTD.

地址: 中国山东聊城冠县新世纪工业园

Address: Guan Xian industry Park, Liaocheng, Shandong, China

产品质量证明书

MILL'S TEST CERTIFICATE

订货单位 CUSTOMER		CUMIC STEEL USA, INC							GRADE钢号	CS-B	产品名称 PRODUCT		PRIME NEWLY PRODUCED GALVANIZED STEELPLAIN SHEETS				
收货单位 PURCHASER		PRODALAM S.A.									签发日期 DATE OF ISSUE		2025.11.20				
标准 SPECIFICATION		ASTM A653									合同号 CONTRACT NO.		VS202509125086				
捆号 PACK No.	重量 WEIGHT	片数 PIECE	成品规格Size(mm)	表面处理surface treatment	盐雾试验 salt spray test	镀层成分 (%)The composition of		镀层质量 coating mass (g/m ²)	化学成分 CHEMICAL COMPOSITION(%)					力学性能 MECHANIC PROPERTIES			
						Al	Zn		C	Mn	P	S	Si	R _{el} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB
5086-097	1.733	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	325	395	30	60
5086-098	1.717	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-099	1.734	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-100	1.726	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-101	1.729	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.008	0.008	0.16	330	400	30	61
5086-102	1.732	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	320	390	28	60
5086-103	1.731	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-104	1.736	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-105	1.726	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-106	1.733	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-107	1.734	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.0075	0.007	0.16	330	395	30	60
5086-108	1.723	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-109	1.742	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-110	1.716	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-111	1.736	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.0075	0.007	0.16	325	395	30	60
5086-133	1.727	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-134	1.724	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-135	1.726	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-136	1.737	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.008	0.008	0.16	330	400	30	61
5086-137	1.728	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	320	390	28	60
5086-138	1.735	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-139	1.734	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.038	0.33	0.008	0.008	0.16	335	405	29	60

捆号 PACK No.	重量 WEIGHT	片数 PIECE	成品规格Size(mm)	表面处理surface treatment	盐雾试验 salt spray test	镀层成分 (%)The composition of		镀层质量 coating mass (g/m ²)	化学成分 CHEMICAL COMPOSITION(%)					力学性能 MECHANIC PROPERTIES			
						Al	Zn		C	Mn	P	S	Si	R _{el} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB
5086-140	1.725	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-141	1.743	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-142	1.728	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	395	30	60
5086-143	1.729	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-144	1.729	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-145	1.721	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-146	1.138	130	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-147	1.119	125	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	325	395	30	60
5086-148	1.932	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-149	1.943	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-156	1.926	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-157	1.956	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-158	1.954	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-159	1.94	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	325	395	30	60
5086-160	1.946	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-161	1.965	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-162	1.968	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-163	1.958	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.008	0.008	0.16	330	400	30	61
5086-164	1.967	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.0075	0.007	0.16	320	390	28	60
5086-165	1.96	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-166	1.955	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-167	1.958	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-168	1.962	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-169	1.958	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-170	1.941	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-196	1.935	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-197	1.948	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-198	1.939	200	0.35*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-199	1.113	110	0.35*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-112	1.733	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-113	1.73	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-114	1.741	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-115	1.718	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-116	1.732	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.008	0.008	0.16	340	410	28	60

捆号 PACK No.	重量 WEIGHT T	片数 PIECE	成品规格Size(mm)	表面处理surface treatment	盐雾试验 salt spray test	镀层成分 (%)The composition of		镀层质量 coating mass (g/m ²)	化学成分 CHEMICAL COMPOSITION(%)					力学性能 MECHANIC PROPERTIES			
						Al	Zn		C	Mn	P	S	Si	R _{el} (N/mm ²)	R _m (N/mm ²)	A (%)	HRB
5086-117	1.722	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	325	395	30	60
5086-118	1.734	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-119	1.723	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-120	1.717	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-121	1.734	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.008	0.008	0.16	330	400	30	61
5086-122	1.731	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.0075	0.007	0.16	320	390	28	60
5086-123	1.723	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-124	1.738	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	186	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-125	1.723	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-126	1.728	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-127	1.725	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.0075	0.007	0.16	330	395	30	60
5086-128	1.729	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	181	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-129	1.735	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-130	1.727	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-131	1.726	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.036	0.33	0.0075	0.007	0.16	325	395	30	60
5086-132	1.741	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	182	0.038	0.33	0.008	0.008	0.16	335	405	29	60
5086-150	1.951	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.037	0.34	0.008	0.008	0.16	330	400	29	62
5086-151	1.951	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	181	0.036	0.33	0.008	0.008	0.16	340	410	28	60
5086-152	1.944	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	184	0.036	0.33	0.008	0.008	0.16	330	400	30	61
5086-153	1.935	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	186	0.036	0.33	0.0075	0.007	0.16	320	390	28	60
5086-154	1.935	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	185	0.036	0.33	0.0075	0.007	0.16	330	400	30	60
5086-155	1.957	200	0.4*1000*3000	CHROMATED	72h	0.5	99.5	183	0.038	0.33	0.008	0.008	0.16	335	405	29	60
	138.798																

NOTE: 1、 ReL : lower yield strength Rm : tensile strength A: percentage elongation after fracture
2、 1 N/mm2=1 MPa

证明本表所列制品，均依材料规格制造及试验，并符合规格之要求
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULT IN
ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

质量部
DEPARTM