

产品质量证明书
MILL'S TEST CERTIFICATE

冠县众冠新材料材有限公司
GUANXIAN ZHONGGUAN NEW 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

订货单位 CUSTOMER		SAMSUNG C&T CORPORATION								钢号	GRADE37					产品名称 PRODUCT		ALUZINC STEEL IN SHEET	
收货单位 PURCHASER		SAMSUNG C&T CORPORATION														签发日期 DATE OF ISSUE		2025-10-17	
标准 SPECIFICATION		ASTM A792														合同号 CONTRACT NO.		VS202507113992	
卷号 No.	重量 WEIGHT	片数	成品规格Size (mm)	表面处理 surface treatmen t	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	
3992-058	1.83	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	317	385	29	65	
3992-059	1.83	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	375	30	63	
3992-060	1.834	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	320	380	30	64	
3992-061	1.834	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	315	390	29	66	
3992-062	1.834	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.01	317	385	29	65	
3992-063	1.834	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.01	315	375	30	63	
3992-064	1.848	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	320	380	30	64	
3992-065	1.85	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	390	29	66	
3992-066	1.836	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	325	385	31	64	
3992-067	1.828	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.031	0.25	0.007	0.01	0.01	330	375	30	64	
3992-068	1.838	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	325	390	29	66	
3992-069	1.848	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	330	380	28	65	
3992-070	1.84	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	325	390	30	66	
3992-071	1.844	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	317	385	29	65	
3992-072	1.842	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.01	317	385	29	65	
3992-073	1.834	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.01	315	375	30	63	
3992-074	1.826	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	320	380	30	64	
3992-075	1.84	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	317	385	29	65	
3992-076	1.84	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	315	375	30	63	
3992-077	1.844	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.033	0.23	0.008	0.009	0.01	320	380	30	64	
3992-078	1.836	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	315	390	29	66	
3992-079	1.836	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.035	0.26	0.008	0.009	0.01	317	385	29	65	

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						Al	Zn	Si		C	Mn	P	S	Si	R_{el} (N/mm ²)	R_m (N/mm ²)	A (%)	HRB
3992-080	1.84	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.03	0.22	0.008	0.008	0.01	315	375	30	63
3992-081	1.834	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.22	0.008	0.009	0.01	320	380	30	64
3992-082	1.832	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	156	0.032	0.22	0.008	0.009	0.01	315	390	29	66
3992-083	1.826	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.033	0.23	0.008	0.009	0.01	325	385	31	65
3992-084	1.828	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	330	375	30	64
3992-085	1.852	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	325	390	29	65
3992-086	1.85	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	330	380	28	65
3992-087	1.838	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.01	325	390	30	66
3992-088	1.846	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.031	0.25	0.007	0.01	0.01	317	385	29	65
3992-089	1.852	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.035	0.26	0.008	0.009	0.01	317	385	29	65
3992-090	1.86	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	315	375	30	63
3992-091	1.864	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	151	0.033	0.23	0.008	0.009	0.01	320	380	30	64
3992-092	1.854	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	156	0.033	0.23	0.008	0.009	0.01	317	385	29	65
3992-093	1.848	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.01	315	375	30	63
3992-094	1.84	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	320	380	30	64
3992-095	1.85	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	152	0.031	0.25	0.007	0.01	0.01	315	390	29	66
3992-096	1.85	227	0.35*1000*3000	Chromated	300h	55	43.4	1.6	155	0.035	0.26	0.008	0.009	0.01	317	385	29	65
3992-097	1.246	152	0.35*1000*3000	Chromated	300h	55	43.4	1.6	154	0.032	0.22	0.008	0.009	0.01	315	375	30	63
3992-098	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	320	380	30	64
3992-099	1.822	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	390	29	66
3992-100	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	325	385	31	64
3992-101	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	330	375	30	64
3992-102	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	317	385	29	65
3992-103	1.82	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	375	30	63
3992-104	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	320	380	30	64
3992-105	1.83	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	315	390	29	66
3992-106	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	317	385	29	65
3992-107	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	375	30	63
3992-108	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	320	380	30	64
3992-109	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	315	390	29	66
3992-110	1.836	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.01	317	385	29	65
3992-111	1.84	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.01	315	375	30	63
3992-112	1.842	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	320	380	30	64
3992-113	1.844	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	390	29	66
3992-114	1.846	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	325	385	31	64
3992-115	1.822	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.031	0.25	0.007	0.01	0.01	330	375	30	64
3992-116	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	325	390	29	65

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						Al	Zn	Si		C	Mn	P	S	Si	R_{el} (N/mm ²)	R_m (N/mm ²)	A (%)	HRB
3992-117	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	330	380	28	65
3992-118	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	325	390	30	66
3992-119	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	317	385	29	65
3992-120	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.01	317	385	29	65
3992-121	1.818	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.01	315	375	30	63
3992-122	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	320	380	30	64
3992-123	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	317	385	29	65
3992-124	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	315	375	30	63
3992-125	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.033	0.23	0.008	0.009	0.01	320	380	30	64
3992-126	1.83	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	315	390	29	66
3992-127	1.834	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.035	0.26	0.008	0.009	0.01	317	385	29	65
3992-128	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.03	0.22	0.008	0.008	0.01	315	375	30	63
3992-129	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.22	0.008	0.009	0.01	320	380	30	64
3992-130	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	156	0.032	0.22	0.008	0.009	0.01	315	390	29	66
3992-131	1.82	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.033	0.23	0.008	0.009	0.01	325	385	31	64
3992-132	1.798	195	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	330	375	30	64
3992-133	1.82	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	325	390	29	66
3992-134	1.822	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.21	0.009	0.009	0.01	330	380	28	65
3992-135	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.01	325	390	30	66
3992-136	1.82	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.031	0.25	0.007	0.01	0.01	317	385	29	65
3992-137	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.035	0.26	0.008	0.009	0.01	317	385	29	65
3992-138	1.794	195	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	315	375	30	63
3992-139	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.033	0.23	0.008	0.009	0.01	320	380	30	64
3992-140	1.822	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	156	0.033	0.23	0.008	0.009	0.01	317	385	29	65
3992-141	1.828	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.032	0.21	0.009	0.009	0.01	315	375	30	63
3992-142	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	320	380	30	64
3992-143	1.816	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.031	0.25	0.007	0.01	0.01	315	390	29	66
3992-144	1.82	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.035	0.26	0.008	0.009	0.01	317	385	29	65
3992-145	1.82	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.032	0.22	0.008	0.009	0.01	315	375	30	63
3992-146	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	320	380	30	64
3992-147	1.826	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	390	29	66
3992-148	1.822	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	325	385	31	64
3992-149	1.828	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	330	375	30	64
3992-150	1.844	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	155	0.032	0.22	0.008	0.009	0.01	317	385	29	65
3992-151	1.84	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	152	0.033	0.23	0.008	0.009	0.01	315	375	30	63
3992-152	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.21	0.009	0.009	0.01	320	380	30	64
3992-153	1.824	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	151	0.032	0.21	0.009	0.009	0.01	315	390	29	66

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						Al	Zn	Si		C	Mn	P	S	Si	R_{el} (N/mm ²)	R_m (N/mm ²)	A (%)	HRB
3992-154	1.836	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	156	0.031	0.25	0.007	0.01	0.01	317	385	29	65
3992-155	1.844	198	0.4*1000*3000	Chromated	300h	55	43.4	1.6	154	0.035	0.26	0.008	0.009	0.01	315	375	30	63
3992-156	1.44	154	0.4*1000*3000	Chromated	300h	55	43.4	1.6	153	0.032	0.22	0.008	0.009	0.01	320	380	30	64
	180.37																	
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.																	



