

Date: 5/27/2023  
Tag: B13052623

To: SENTRY SUPPLY dba SO#: A765977 Ln#: 1 PO#: P0241806-08 Part: PL100048\* Qty: 1 Heat#: 216113\*



**JI KANG DIMENSI SDN. BHD.**  
**济钢(马)钢板有限公司**

RZJZJM01-06

(Company No.: 249230 K)

QC Approved

Certificate No: 011959

Date: 30-Oct-22

Spec./标准: ASTM A572-2021E1 GRADE 50 TYPE 1 & ASTM A709-2021 GRADE 50

PRODUCT QUALITY CERTIFICATE

Purchaser/客户: STEMCOR USA INC.(LOT 2/IMP-1275)

Grade 品种	Heat No. 炉号	Plate No. 钢板号	Dimension 规格			Quantity 数量 (Pieces)	Weight 重量 (lbs)	Ladle Analysis 浇铸分析 (%)														Mechanical Properties 力学性能		Remarks 备注					
			Thickness 厚度 (inches)	Width 宽度 (inches)	Length 长度 (inches)			C	SI	Mn	P	S	Cr	Ni	Cu	W	V	Al	Ti	Nb	CEO	Yield (ksi)	Tensile Strength (ksi)		Elongation in 5 inches	Notch Toughness Charpy-V			
ASTM A572-50	218095	48352	0.375	96	240	24	26.688	0.168	0.19	1.26	0.023	0.009	0.022	0.007	0.031	0.002	0.003	0.038	0.002	0.023	0.39	61	84	25					
ASTM A572-50	218097	48353	0.375	96	240	35	38.920	0.173	0.22	1.29	0.017	0.007	0.017	0.007	0.032	0.002	0.003	0.031	0.002	0.025	0.40	66	89	20					
ASTM A572-50	218085	48354	0.375	96	240	9	10.008	0.184	0.20	1.28	0.024	0.013	0.021	0.007	0.032	0.002	0.003	0.032	0.002	0.022	0.41	62	85	25					
ASTM A572-50	218093	48355	0.375	96	240	12	13.344	0.179	0.21	1.30	0.023	0.011	0.019	0.007	0.030	0.002	0.003	0.032	0.002	0.024	0.40	60	83	23					
ASTM A572-50	218090	48356	0.375	96	240	22	24.464	0.161	0.23	1.25	0.021	0.007	0.022	0.007	0.032	0.002	0.003	0.036	0.002	0.024	0.38	62	85	25					
ASTM A572-50	218094	48226	0.5	96	240	20	29.640	0.169	0.21	1.24	0.020	0.010	0.021	0.007	0.034	0.002	0.003	0.035	0.002	0.023	0.38	61	88	23					
ASTM A572-50	218096	48227	0.5	96	240	20	29.640	0.182	0.22	1.29	0.022	0.009	0.018	0.007	0.033	0.002	0.003	0.039	0.002	0.024	0.40	58	85	20					
ASTM A572-50	216113	48228	0.5	96	240	12	17.784	0.166	0.20	1.19	0.020	0.009	0.030	0.016	0.068	0.004	0.003	0.032	0.002	0.024	0.38	63	85	22					
ASTM A572-50	218091	48299	0.75	96	240	14	31.122	0.172	0.18	1.26	0.019	0.010	0.022	0.007	0.030	0.002	0.003	0.035	0.002	0.022	0.39	55	80	23					
ASTM A572-50	218092	48300	0.75	96	240	16	35.568	0.178	0.22	1.27	0.023	0.009	0.020	0.007	0.030	0.002	0.003	0.041	0.002	0.024	0.40	59	80	22					
ASTM A572-50	218093	48301	0.75	96	240	8	17.784	0.179	0.21	1.30	0.023	0.011	0.019	0.007	0.030	0.002	0.003	0.032	0.002	0.024	0.40	58	79	24					
ASTM A572-50	216937	48302	0.75	96	240	17	37.791	0.172	0.18	1.21	0.021	0.008	0.018	0.003	0.036	0.002	0.003	0.026	0.002	0.023	0.38	59	79	23					
ASTM A572-50	216101	48170	1	96	240	15	44.445	0.169	0.17	1.20	0.024	0.013	0.037	0.014	0.065	0.004	0.003	0.032	0.001	0.023	0.38	55	82	25					
ASTM A572-50	216102	48171	1	96	240	15	44.445	0.182	0.17	1.20	0.027	0.014	0.035	0.013	0.064	0.004	0.003	0.041	0.002	0.023	0.40	57	83	25					
ASTM A572-50	216109	48172	1	96	240	15	44.445	0.172	0.20	1.21	0.018	0.011	0.028	0.016	0.067	0.004	0.003	0.042	0.002	0.024	0.39	61	82	24					
ASTM A572-50	216110	48173	1	96	240	15	44.445	0.163	0.24	1.25	0.022	0.006	0.031	0.016	0.070	0.004	0.003	0.029	0.002	0.023	0.38	60	80	27					
ASTM A572-50	216111	48174	1	96	240	15	44.445	0.177	0.20	1.20	0.018	0.008	0.021	0.015	0.073	0.004	0.003	0.031	0.002	0.023	0.39	59	73	25					
ASTM A572-50	216112	48175	1	96	240	15	44.445	0.170	0.20	1.20	0.022	0.010	0.028	0.016	0.069	0.004	0.003	0.034	0.002	0.024	0.38	61	81	26					
ASTM A572-50	216113	48176	1	96	240	15	44.445	0.166	0.20	1.19	0.020	0.009	0.030	0.016	0.068	0.004	0.003	0.032	0.002	0.024	0.38	62	82	22					

1. We certify that the chemical composition and mechanical properties are in accordance with ASTM A572-2021E1 GRADE 50 TYPE 1 & ASTM A709-2021 GRADE 50 and Mercury Free.

2. Test certificate is issued in accordance with EN10204-3.

3. Steel slab's Producer: Eastern Steel Sdn. Bhd.

4. Melt and Pour Country: Malaysia.



制表人/Issuer: 张如洁 Teo Jia Jie

质量控制经理/Quality Control Manager:



Quality Control Manager  
孟祥明 MENG XIANG MING

Lot 69-71, Kawasan Perindustrian Gebang, 26080 Kuantan, Pahang Darul Makmur, Malaysia.  
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