



東鋼集團有限公司

产品质量证明书 MILL CERTIFICATE



EASTERN STEEL SDN. BHD. (557033-V)

OFFICE ADDRESS: Lot 6293 & 6294, Teluk Kalung Industrial Estate, 24000 Kemaman, Terengganu Darul Iman, Malaysia.

Telephone Number : +609-860 4000

JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO. :	VWA2212003-001(1/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE :	12/01/2023	
	CONTRACT NO. :	VWA2212003	
	VESSEL NAME :	MV TAY SON 3	
	DELIVERY DATE :	12/01/2023	
	TOTAL MASS(kg) :	10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
1	SAE1008	21A988	150	150	9100	19	30980	5	12	39	10	20	1	5	2	28	10	26	1	16		
2	SAE1008	21A989	150	150	9100	26	42343	5.8	11	44	11	21	1	6	2	36	13	27	1	16		
3	SAE1008	21A990	150	150	9100	41	66782	4.9	11	43	21	22	1	2	2	29	10	32	1	17		
4	SAE1008	21A991	150	150	9100	41	66790	5	11	39	17	22	1	3	2	35	12	27	1	15		
5	SAE1008	21A992	150	150	9100	42	68438	5.1	11	41	17	20	1	4	2	30	10	28	1	16		
6	SAE1008	21A993	150	150	9100	45	73263	6.2	12	42	15	19	1	4	2	30	10	28	1	15		
7	SAE1008	21A994	150	150	9100	43	69913	6	13	47	16	21	1	2	2	28	10	30	1	15		
8	SAE1008	21A995	150	150	9100	44	71557	5.5	12	43	15	25	1	6	2	29	10	25	1	14		
9	SAE1008	21A996	150	150	9100	38	61904	5.7	12	43	14	25	1	5	2	31	10	27	1	14		
10	SAE1008	21A997	150	150	9100	41	66675	6.1	12	44	12	27	1	4	2	33	10	21	1	13		
11	SAE1008	21A998	150	150	9100	40	65051	5.7	13	49	18	29	1	5	3	36	10	28	1	13		
12	SAE1008	21A999	150	150	9100	41	66657	6.1	14	49	15	28	1	5	3	36	11	28	2	13		
13	SAE1008	21B000	150	150	9100	38	61728	6.4	13	48	19	32	1	4	3	33	11	30	1	15		
14	SAE1008	21B001	150	150	9100	40	65048	6.4	12	47	13	29	1	5	3	37	11	25	1	15		
15	SAE1008	21B002	150	150	9100	36	58608	7	13	48	14	27	1	4	3	32	11	27	1	17		
16	SAE1008	21B003	150	150	9100	37	59993	6.7	15	50	22	27	1	4	3	30	9	29	2	18		
17	SAE1008	21B004	150	150	9100	38	61717	9	15	45	14	28	1	4	3	34	12	27	1	19		
18	SAE1008	21B005	150	150	9100	41	66601	7	13	43	12	22	2	5	4	33	11	27	1	19		
19	SAE1008	21B006	150	150	9100	41	66625	6.9	12	45	11	20	2	6	4	33	10	26	1	19		
20	SAE1008	21B007	150	150	9100	36	58435	6.7	12	43	12	22	1	4	4	32	11	28	1	16		

We certify that product(s) has been approved in accordance with requirement of the specification as stated.

Product(s) supplied are free from radioactive elements

Our company has been recognized by ISO9001:2015.

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Telephone Number : +609-860 4000

JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO.	: VWA2212003-001(2/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE	: 12/01/2023	
	CONTRACT NO.	: VWA2212003	
	VESSEL NAME	: MV TAY SON 3	
	DELIVERY DATE	: 12/01/2023	
	TOTAL MASS(kg)	: 10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100				x 1000										
21	SAE1008	21B008	150	150	9100	41	66630	6.4	12	41	17	22	1	5	4	34	10	33	1	18		
22	SAE1008	21B009	150	150	9100	48	77914	6.9	12	42	19	23	1	4	4	32	9	28	1	17		
23	SAE1008	21B010	150	150	9100	12	19455	7.5	12	44	30	24	1	3	3	33	8	31	2	18		
24	SAE1008	21B011	150	150	9100	35	56952	6.4	10	41	24	23	1	2	3	36	9	33	2	17		
25	SAE1008	21B012	150	150	9100	39	63382	7.1	10	42	26	22	1	3	2	31	9	27	2	15		
26	SAE1008	21B013	150	150	9100	37	60071	7.1	10	41	23	24	1	3	2	33	10	21	1	14		
27	SAE1008	21B014	150	150	9100	40	64817	7.5	12	45	20	24	1	3	2	38	11	26	2	15		
28	SAE1008	21B015	150	150	9100	40	64844	6.7	13	45	20	26	1	3	2	38	11	26	2	15		
29	SAE1008	21B016	150	150	9100	40	65016	7.4	12	46	19	25	1	5	2	39	11	23	1	16		
30	SAE1008	21B017	150	150	9100	42	68317	6.3	12	44	19	26	1	5	2	38	10	18	1	16		
31	SAE1008	21B018	150	150	9100	42	68110	6	12	44	25	30	1	4	2	36	10	28	1	16		
32	SAE1008	21B019	150	150	9100	39	63503	5.7	13	46	25	28	1	6	2	38	11	32	1	17		
33	SAE1008	21B020	150	150	9100	41	66653	7.1	13	48	25	28	1	6	2	37	10	36	1	17		
34	SAE1008	21B021	150	150	9100	45	72900	7.6	12	46	19	36	1	5	2	39	10	25	1	18		
35	SAE1008	21B022	150	150	9100	27	43689	7.7	13	46	18	29	1	3	3	36	10	26	1	18		
36	SAE1008	21B023	150	150	9100	37	60048	8.2	12	46	18	28	1	4	2	31	9	27	1	22		
37	SAE1008	21B024	150	150	9100	40	64918	7.1	13	47	20	28	1	2	3	35	10	30	2	22		
38	SAE1008	21B025	150	150	9100	42	68396	6.7	12	46	17	29	1	6	2	44	12	27	2	23		
39	SAE1008	21B026	150	150	9100	42	68171	7.2	12	46	16	33	1	4	2	69	16	37	2	24		
40	SAE1008	21B027	150	150	9100	45	73052	8.6	12	46	22	33	1	4	2	68	15	47	2	23		

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JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO.	: VWA2212003-001(3/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE	: 12/01/2023	
	CONTRACT NO.	: VWA2212003	
	VESSEL NAME	: MV TAY SON 3	
	DELIVERY DATE	: 12/01/2023	
	TOTAL MASS(kg)	: 10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
41	SAE1008	21B028	150	150	9100	43	69795	7.6	14	48	21	28	1	5	2	63	15	44	2	23		
42	SAE1008	21B029	150	150	9100	44	73210	9.1	13	47	24	25	1	5	2	65	13	44	2	20		
43	SAE1008	21B030	150	150	9100	45	72915	6.9	14	48	18	26	1	6	2	50	12	35	2	21		
44	SAE1008	21B031	150	150	9100	39	63105	7.5	12	46	13	27	1	4	2	49	13	28	2	21		
45	SAE1008	21B032	150	150	9100	43	69430	8.1	13	45	12	28	2	6	2	58	17	28	2	21		
46	SAE1008	21B033	150	150	9100	40	64886	7.1	13	46	12	31	1	6	2	69	16	28	2	19		
47	SAE1008	21B034	150	150	9100	38	61648	6.9	12	47	14	33	1	4	2	61	14	29	2	19		
48	SAE1008	21B035	150	150	9100	44	71195	7	14	46	11	32	1	4	2	42	10	19	1	20		
49	SAE1008	21B036	150	150	9100	44	71287	7.4	14	48	12	30	1	2	2	44	10	23	1	19		
50	SAE1008	21B037	150	150	9100	38	61741	6.6	13	47	16	25	1	4	3	49	11	28	2	17		
51	SAE1008	21B038	150	150	9100	41	66576	6.9	13	45	15	21	1	4	2	40	8	22	1	17		
52	SAE1008	21B039	150	150	9100	39	63236	7.1	11	43	21	26	1	3	2	51	12	28	1	17		
53	SAE1008	21B040	150	150	9100	40	64857	7	12	45	25	29	1	3	2	58	13	32	1	17		
54	SAE1008	21B041	150	150	9100	40	64895	7.4	13	44	22	29	1	4	2	59	13	37	2	15		
55	SAE1008	21B042	150	150	9100	43	69771	7.9	13	47	22	26	1	3	2	53	13	33	1	16		
56	SAE1008	21B043	150	150	9100	41	66189	8.4	15	50	17	24	1	5	2	50	12	34	1	17		
57	SAE1008	21B044	150	150	9100	41	66309	7.3	13	45	18	26	1	4	2	53	13	40	1	17		
58	SAE1008	21B045	150	150	9100	37	59991	7.7	13	47	18	25	1	6	3	46	11	29	1	16		
59	SAE1008	21B046	150	150	9100	42	68147	9.9	13	47	15	24	1	4	2	44	11	29	1	17		
60	SAE1008	21B047	150	150	9100	42	68180	7.2	13	45	17	27	1	4	2	53	12	35	1	17		

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JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO.	: VWA2212003-001(4/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE	: 12/01/2023	
	CONTRACT NO.	: VWA2212003	
	VESSEL NAME	: MV TAY SON 3	
	DELIVERY DATE	: 12/01/2023	
	TOTAL MASS(kg)	: 10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
61	SAE1008	21B048	150	150	9100	29	47170	7	12	44	18	25	1	3	1	49	11	35	1	16		
62	SAE1008	21B049	150	150	9100	39	63375	7.2	12	44	25	20	1	3	2	49	11	34	1	17		
63	SAE1008	21B050	150	150	9100	41	66638	7.6	14	46	17	22	1	3	2	48	12	28	1	18		
64	SAE1008	21B051	150	150	9100	41	66636	7.1	14	45	14	21	1	3	2	52	14	26	2	18		
65	SAE1008	21B052	150	150	9100	45	73038	7.3	12	44	12	23	1	2	2	66	15	28	2	18		
66	SAE1008	21B053	150	150	9100	44	71476	6.5	13	45	15	27	1	3	2	59	15	25	2	18		
67	SAE1008	21B054	150	150	9100	40	65077	6.4	12	44	14	25	1	4	2	52	13	25	1	19		
68	SAE1008	21B055	150	150	9100	37	60232	6.8	13	45	13	26	1	4	2	47	15	27	2	20		
69	SAE1008	21B056	150	150	9100	48	78101	7.1	12	43	17	22	1	4	2	32	8	31	1	21		
70	SAE1008	21B057	150	150	9100	43	69877	7.4	11	43	14	24	1	4	2	43	13	26	2	20		
71	SAE1008	21B058	150	150	9100	43	69854	7.5	13	46	15	29	1	3	2	55	17	31	2	19		
72	SAE1008	21B059	150	150	9100	43	69991	6.2	11	43	16	25	1	3	2	50	15	31	2	19		
73	SAE1008	21B060	150	150	9100	42	68517	6.5	12	43	16	27	1	3	2	45	14	29	2	18		
74	SAE1008	21B061	150	150	9100	35	57096	6.8	12	45	19	23	2	2	2	43	14	35	3	17		
75	SAE1008	21B062	150	150	9100	44	71655	7.3	12	48	26	24	1	3	3	51	15	42	2	18		
76	SAE1008	21B063	150	150	9100	40	65103	8.3	10	48	27	25	2	4	4	66	13	34	2	17		
77	SAE1008	21B064	150	150	9100	44	71662	6.4	10	43	22	23	1	3	2	54	14	39	2	15		
78	SAE1008	21B065	150	150	9100	46	74913	7.4	12	43	25	27	2	3	2	44	13	40	2	18		
79	SAE1008	21B066	150	150	9100	41	66702	6.6	12	44	30	26	1	3	2	47	15	43	2	18		
80	SAE1008	21B067	150	150	9100	43	69971	7.1	11	47	28	26	1	2	4	47	14	38	2	17		

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JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO. :	VWA2212003-001(5/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE :	12/01/2023	
	CONTRACT NO. :	VWA2212003	
	VESSEL NAME :	MV TAY SON 3	
	DELIVERY DATE :	12/01/2023	
	TOTAL MASS(kg) :	10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
81	SAE1008	21B068	150	150	9100	42	67615	7.2	12	46	21	25	1	2	3	42	13	30	2	17		
82	SAE1008	21B069	150	150	9100	44	70953	6.1	12	44	18	27	2	2	3	43	13	28	2	18		
83	SAE1008	21B070	150	150	9100	48	78251	6.6	12	46	20	24	1	3	3	39	13	37	2	15		
84	SAE1008	21B071	150	150	9100	48	78465	6.3	12	45	19	20	1	2	2	43	14	34	2	16		
85	SAE1008	21B072	150	150	9100	35	57198	6.9	10	42	19	20	1	3	2	38	11	26	2	15		
86	SAE1008	21B073	150	150	9100	37	60428	7.3	13	47	21	21	1	5	2	33	8	28	1	17		
87	SAE1008	21B074	150	150	9100	40	65360	6.9	12	46	19	17	1	4	3	31	8	23	1	19		
88	SAE1008	21B075	150	150	9100	42	68437	7.6	13	45	22	23	2	5	2	39	11	24	2	19		
89	SAE1008	21B076	150	150	9100	43	69947	7.6	12	43	19	23	1	6	2	44	14	28	2	19		
90	SAE1008	21B077	150	150	9100	43	70074	6.8	12	46	20	22	1	4	3	47	15	26	2	19		
91	SAE1008	21B078	150	150	9100	43	70553	7.1	14	44	16	22	1	3	2	36	10	27	2	18		
92	SAE1008	21B079	150	150	9100	42	69512	7.2	10	42	25	20	1	4	3	34	9	31	1	17		
93	SAE1008	21B080	150	150	9100	38	62083	7	11	43	34	18	1	3	3	35	9	34	2	17		
94	SAE1008	21B081	150	150	9100	39	63689	7.4	13	43	25	19	1	3	2	35	9	27	1	19		
95	SAE1008	21B082	150	150	9100	41	66860	7.2	11	42	26	19	1	3	2	35	10	33	2	19		
96	SAE1008	21B083	150	150	9100	43	70151	7.4	12	45	24	15	1	3	2	54	13	40	3	17		
97	SAE1008	21B084	150	150	9100	41	66889	7.1	12	44	20	16	1	5	2	50	16	41	2	19		
98	SAE1008	21B085	150	150	9100	45	73534	6.1	13	41	19	19	1	5	2	38	12	33	3	17		
99	SAE1008	21B086	150	150	9100	39	63715	7.8	14	44	20	23	1	5	2	41	14	37	2	19		
100	SAE1008	21B087	150	150	9100	38	61948	8.1	13	43	20	24	2	5	2	73	17	36	4	17		

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JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO.	: VWA2212003-001(6/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE	: 12/01/2023	
	CONTRACT NO.	: VWA2212003	
	VESSEL NAME	: MV TAY SON 3	
	DELIVERY DATE	: 12/01/2023	
	TOTAL MASS(kg)	: 10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
101	SAE1008	21B088	150	150	9100	45	73410	7.4	13	43	17	18	1	5	2	44	12	32	2	19		
102	SAE1008	21B089	150	150	9100	45	73338	7.3	12	42	19	18	1	4	2	47	14	32	2	18		
103	SAE1008	21B090	150	150	9100	44	71802	7.4	13	42	21	14	1	3	2	35	11	36	2	17		
104	SAE1008	21B091	150	150	9100	55	89551	7.7	13	42	19	15	1	3	2	48	18	32	2	18		
105	SAE1008	21B092	150	150	9100	23	37402	7.6	12	45	18	16	1	5	2	30	8	26	1	18		
106	SAE1008	21B093	150	150	9100	40	65109	7.8	12	42	11	14	1	4	1	41	10	31	1	18		
107	SAE1008	21B094	150	150	9100	40	65246	6.8	12	42	15	15	1	5	1	40	10	26	2	16		
108	SAE1008	21B095	150	150	9100	38	61844	7.4	12	43	17	15	1	4	2	33	9	25	1	18		
109	SAE1008	21B096	150	150	9100	40	65017	6.7	12	42	15	15	1	6	2	33	10	25	1	17		
110	SAE1008	21B097	150	150	9100	42	68387	6.5	12	41	16	16	1	4	2	35	11	33	2	17		
111	SAE1008	21B098	150	150	9100	43	69949	6.2	12	41	14	17	1	6	1	40	12	30	2	16		
112	SAE1008	21B099	150	150	9100	43	68259	6.3	11	42	10	15	1	6	1	35	10	22	1	17		
113	SAE1008	21B100	150	150	9100	40	65195	6	12	41	15	21	2	6	2	30	9	26	1	17		
114	SAE1008	21B101	150	150	9100	43	69894	6.6	12	45	16	16	1	5	2	35	10	31	1	17		
115	SAE1008	21B102	150	150	9100	43	70025	7.1	12	43	17	21	2	5	2	40	11	31	1	17		
116	SAE1008	21B103	150	150	9100	39	63551	7.7	12	44	19	18	1	3	2	35	11	29	1	17		
117	SAE1008	21B104	150	150	9100	43	69975	7.1	12	44	26	16	1	2	2	26	9	29	1	17		
118	SAE1008	21B105	150	150	9100	43	69995	7.3	12	44	24	18	1	3	2	30	9	31	2	17		
119	SAE1008	21B106	150	150	9100	44	71654	8	12	46	21	17	1	2	3	29	10	28	2	16		
120	SAE1008	21B107	150	150	9100	45	73320	8.5	11	42	23	23	1	3	2	30	10	35	2	18		

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Product is certify under by ABS Rules for Materials and Welding Part 2 (2021).





東鋼集團有限公司

产品质量证明书 MILL CERTIFICATE



EASTERN STEEL SDN. BHD. (557033-V)

OFFICE ADDRESS: Lot 6293 & 6294, Teluk Kalung Industrial Estate, 24000 Kemaman, Terengganu Darul Iman, Malaysia.

Telephone Number : +609-860 4000

JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO. :	VWA2212003-001(7/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE :	12/01/2023	
	CONTRACT NO. :	VWA2212003	
	VESSEL NAME :	MV TAY SON 3	
	DELIVERY DATE :	12/01/2023	
	TOTAL MASS(kg) :	10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
121	SAE1008	21B108	150	150	9100	44	71650	7.4	12	43	18	24	1	4	3	36	10	33	2	17		
122	SAE1008	21B109	150	150	9100	40	65078	6.1	12	40	14	19	1	3	2	31	10	28	2	16		
123	SAE1008	21B110	150	150	9100	40	64973	8	13	43	18	22	2	2	2	32	10	31	2	17		
124	SAE1008	310001	150	150	9100	45	73093	8.2	12	46	29	25	1	3	2	40	12	47	5	18		
125	SAE1008	310002	150	150	9100	43	70096	7.6	13	43	26	23	1	2	2	33	11	37	3	17		
126	SAE1008	310003	150	150	9100	42	68321	7	12	44	23	24	1	2	2	30	10	29	2	18		
127	SAE1008	310004	150	150	9100	44	71648	7.1	13	43	17	22	1	3	2	28	9	28	1	18		
128	SAE1008	310005	150	150	9100	41	66784	7.7	12	42	17	24	1	2	2	35	9	27	2	17		
129	SAE1008	310006	150	150	9100	39	63171	6.2	12	41	17	22	1	5	3	43	15	31	2	15		
130	SAE1008	310007	150	150	9100	43	69699	8.3	12	41	20	23	1	5	3	46	11	34	2	14		
131	SAE1008	310008	150	150	9100	40	65007	8.4	13	45	25	24	1	2	2	38	21	43	3	17		
132	SAE1008	310009	150	150	9100	48	78033	8	12	42	24	22	1	2	2	36	17	42	3	16		
133	SAE1008	310010	150	150	9100	41	66628	7.2	14	46	22	28	2	2	3	31	11	34	2	18		
134	SAE1008	310011	150	150	9100	57	92787	7.2	13	45	19	27	1	2	2	27	10	32	2	18		
135	SAE1008	310012	150	150	9100	11	17925	7.7	11	44	20	23	1	6	3	32	7	26	1	18		
136	SAE1008	310013	150	150	9100	34	55207	7.4	11	43	23	22	1	5	3	39	9	31	1	18		
137	SAE1008	310014	150	150	9100	35	56716	7.7	10	44	15	31	1	6	2	57	10	27	1	18		
138	SAE1008	310015	150	150	9100	40	64841	6.7	10	41	23	28	1	6	2	64	11	20	1	19		
139	SAE1008	310016	150	150	9100	39	63567	6	11	41	31	29	1	5	3	63	11	30	2	16		
140	SAE1008	310017	150	150	9100	40	65140	7.1	12	44	27	27	1	4	2	66	14	31	1	16		

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東鋼集團有限公司

产品质量证明书 MILL CERTIFICATE



EASTERN STEEL SDN. BHD. (557033-V)

OFFICE ADDRESS: Lot 6293 & 6294, Teluk Kalung Industrial Estate, 24000 Kemaman, Terengganu Darul Iman, Malaysia.

Telephone Number : +609-860 4000

JLES-JSB-HY-080

CUSTOMER : PT. ISPAT INDO DESA KEDUNGTURI, TAMAN, SIDOARJO, EAST JAVA- INDONESIA.	CERTIFICATE NO.	: VWA2212003-001(8/8)	DELIVER TO : SURABAYA PORT, INDONESIA.
	CERTIFICATE DATE	: 12/01/2023	
	CONTRACT NO.	: VWA2212003	
	VESSEL NAME	: MV TAY SON 3	
	DELIVERY DATE	: 12/01/2023	
	TOTAL MASS(kg)	: 10362700	

NO.	GRADE	HEAT NO.	THICK	WIDTH	LENGTH	Q T Y	MASS (kg)	CHEMICAL COMPOSITION(%)														
			+3/-3	+3/-3	+100/-0			C	Si	Mn	P	S	Al	N	V	Cu	Ni	Cr	Mo	Sn		
			mm					x 100			x 1000											
141	SAE1008	310018	150	150	9100	43	69749	5.9	11	44	14	28	1	6	2	53	12	22	2	18		
142	SAE1008	310019	150	150	9100	39	63463	6.1	12	43	17	24	1	6	2	54	11	27	2	17		
143	SAE1008	310020	150	150	9100	43	69959	6.4	12	48	21	26	1	5	3	40	7	26	1	17		
144	SAE1008	310021	150	150	9100	43	69873	6.8	12	45	16	24	1	6	3	56	11	25	2	17		
145	SAE1008	310022	150	150	9100	43	69631	6.5	12	48	16	26	1	5	2	47	9	23	1	17		
146	SAE1008	310023	150	150	9100	43	70030	6.5	12	45	19	34	1	6	2	52	9	26	1	18		
147	SAE1008	310024	150	150	9100	45	73283	6.5	12	45	15	28	2	6	2	59	10	21	2	18		
148	SAE1008	310025	150	150	9100	45	73348	5.8	12	44	15	24	1	2	2	54	12	21	2	18		
149	SAE1008	310026	150	150	9100	43	69827	7	13	46	14	33	2	6	2	51	10	22	1	17		
150	SAE1008	310027	150	150	9100	44	71562	7.7	13	47	12	29	1	4	2	47	9	23	1	17		
151	SAE1008	310028	150	150	9100	41	66660	7.1	13	47	14	23	1	3	3	48	8	22	1	18		
152	SAE1008	310029	150	150	9100	45	73242	6.7	13	44	14	22	1	4	2	47	9	22	1	17		
153	SAE1008	310030	150	150	9100	45	73230	7.3	15	48	14	21	1	5	2	43	9	32	2	17		
154	SAE1008	310031	150	150	9100	40	64615	7	13	47	19	25	1	2	3	48	10	30	2	18		
155	SAE1008	310032	150	150	9100	40	64637	5.5	14	43	11	20	2	2	2	50	12	22	2	17		
156	SAE1008	310033	150	150	9100	62	100249	6.4	12	43	17	24	1	3	2	52	11	26	2	17		

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