INTSEL STEEL DISTRIBUTORS

PO/Rel

Certificate of Mill Test Results

WLY-000000-000

PART NO.

Attn:

Certificate No. 05-02-274

LOT 4 : INTSEL STEEL / HOUSTON-DIRECT
TO TRUCKS (ASTM A36/A6)
MISA PO :CG-2641/CUSTOMER PO : WLY-2854

Reference : Order Sheet No. PPW 02-002

Customer Name : Marubeni-Itochu Steel Pte Ltd (Bangkok Branch)

Commodity : HOT ROLLED STEEL PLATE

Specification : ASTM A36/ASME SA36 FOR THICKNESS 0.354"-1.000"
ASTM A36/ASME SA36 MODIFIED; MN 0.30-1.20% FOR THICKNESS 1.142 "-1.250" (AIMING HALF TOLERANCES OF A6)

MILL INSPECTION CERTIFICATE

SAHAVIRIYA PLATE MILL CO.,LTD.
Office 28/1 Prapawit Bldg., 4th Fl., Surasak Rd., Silom, Bangrak, Bangkok, Thailand 10500
Tel.: (66) 234-0257-64 Fax: (662) 630-0267
Factory 160 Moo 3, Sukhumvitdee / Bangpakong, Chachoengsao, Thailand 24130
Tel.: (038) 832-056-61 Fax: (038) 531-635

ORIGINAL

Dimension (Inch)			Heat No.	Unit Weight	Number of	Weight	Mechanical Properties				CHEMICAL COMPOSITION											
							TS.	YP.	EL.	Bending	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ce
T	W	L		MT(s)	Piece(s)	MT(s)	(KSI)	(KSI)	(%) GL.=200mm.		X100			X1000		X100				X1000		X1
1	60	240	S5-1341	1.852	8	14.816	70	46	29	-	17	22	94	16	9							
1	60	240	S5-1342	1.852	14	25.928	66	40	27	-	17	24	89	8	17							
1	72	240	S5-1509	2.223	14	31.122	68	45	30	-	19	20	94	12	12							
1	72	240	S5-1510	2.223	21	46.683	70	47	29	-	17	24	104	17	15							
1	72	240	S5-1511	2.223	21	46.683	76	51	26	-	21	24	104	10	9							
1	72	240	S5-1512	2.223	21	46.683	71	45	30	-	19	23	94	20	8							
1	72	240	S5-1513	2.223	21	46.683	72	46	24	-	20	18	93	21	13							
1	72	240	S5-1514	2.223	4	8.892	66	41	22	-	15	18	103	17	27							
1 1/4	48	96	S5-1567	0.741	54	40.014	64	39	26	-	18	21	64	13	17							
1 1/4	60	120	S5-1656	1.158	12	13.896	65	43	22	-	18	22	64	19	12							
1 1/4	60	120	S5-1657	1.158	6	6.948	63	40	21	-	15	25	67	26	18							
1 1/4	72	240	S5-1647	2.779	14	38.906	64	43	26	-	16	23	70	19	13							
1 1/4	72	240	S5-1648	2.779	9	25.011	63	37	28	-	16	20	71	21	10							
1 1/4	72	240	S5-1649	2.779	4	11.116	64	38	26	-	17	26	67	18	9							
TOTAL					223	403.381																

LABORATORY ENGINEER

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN SATISFACTORY TESTED

AUTHORIZED

Form No. PM 10-09

09 MAR 2005

INTSEL STEEL DISTRIBUTORS

PO/Rel

Certificate of Mill Test Results

WLY-000000-000

PART NO.

Attn:

Certificate No. 05-02-274

LOT 4 : INTSEL STEEL / HOUSTON-DIRECT
TO TRUCKS (ASTM A36/A6)
MISA PO :CG-9641/CUSTOMER PO : WLY-2854

SAHAVIRIYA PLATE MILL CO.,LTD.
Office 28/1 Ploenchit Bldg., 4th Fl., Surasak Rd., Silom, Bangrak, Bangkok, Thailand 10500
Tel.: (662) 630-0257-64 Fax: (662) 630-0267
Factory 160 Moo 14, Sukhumvit Rd., Bangpakong, Chachoengsao, Thailand 24130
Tel.: (038) 832-056-61 Fax: (038) 531-635

ORIGINAL

Reference : Order Sheet No. PPW 02-002

Customer Name : Marubeni-Itochu Steel Pte Ltd (Bangkok Branch)

MILL INSPECTION CERTIFICATE

Commodity : HOT ROLLED STEEL PLATE

Specification : ASTM A36/ASME SA36 FOR THICKNESS 0.354"-1.000"
ASTM A36/ASME SA36 MODIFIED; MN 0.30-1.20% FOR THICKNESS 1.142 "-1.250" (AIMING HALF TOLERANCES OF A6)

Dimension (Inch)			Heat No.	Unit Weight	Number of	Weight	Mechanical Properties				CHEMICAL COMPOSITION											
							TS.	YP.	EL.	Bending	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ce
T	W	L		MT(s)	Piece(s)	MT(s)	(KSI)	(KSI)	(%) GL.=200mm.		X100			X1000		X100				X1000		X1
1	60	240	S5-1341	1.852	8	14.816	70	46	29	-	17	22	94	16	9							
1	60	240	S5-1342	1.852	14	25.928	66	40	27	-	17	24	89	8	17							
1	72	240	S5-1509	2.223	14	31.122	68	45	30	-	19	20	94	12	12							
1	72	240	S5-1510	2.223	21	46.683	70	47	29	-	17	24	104	17	15							
1	72	240	S5-1511	2.223	21	46.683	76	51	26	-	21	24	104	10	9							
1	72	240	S5-1512	2.223	21	46.683	71	45	30	-	19	23	94	20	8							
1	72	240	S5-1513	2.223	21	46.683	72	46	24	-	20	18	93	21	13							
1	72	240	S5-1514	2.223	4	8.892	66	41	22	-	15	18	103	17	27							
1 1/4	48	96	S5-1567	0.741	54	40.014	64	39	26	-	18	21	64	13	17							
1 1/4	60	120	S5-1656	1.158	12	13.896	65	43	22	-	18	22	64	19	12							
1 1/4	60	120	S5-1657	1.158	6	6.948	63	40	21	-	15	25	67	26	18							
1 1/4	72	240	S5-1647	2.779	14	38.906	64	43	26	-	16	23	70	19	13							
1 1/4	72	240	S5-1648	2.779	9	25.011	63	37	28	-	16	20	71	21	10							
1 1/4	72	240	S5-1649	2.779	4	11.116	64	38	26	-	17	26	67	18	9							
TOTAL					223	403.381																

LABORATORY ENGINEER

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN SATISFACTORY TESTED

SAHAVIRIYA PLATE MILL CO. AUTHORIZED SIGNATORY

09 MAR 2005

INTSEL STEEL DISTRIBUTORS

PO/Rel

Certificate of Mill Test Results

WLY-000000-000

PART NO.

Attn:

Certificate No. 05-02-274

LOT 4 : INTSEL STEEL / HOUSTON-DIRECT
TO TRUCKS (ASTM A36/A6)
MISA PO :CG-2641/CUSTOMER PO : WLY-2854

Reference : Order Sheet No. PPW 02-002

Customer Name : Marubeni-Itochu Steel Pte Ltd (Bangkok Branch)

Commodity : HOT ROLLED STEEL PLATE

Specification : ASTM A36/ASME SA36 FOR THICKNESS 0.354"-1.000"
ASTM A36/ASME SA36 MODIFIED; MN 0.30-1.20% FOR THICKNESS 1.142 "-1.250" (AIMING HALF TOLERANCES OF A6)

MILL INSPECTION CERTIFICATE

SAHAVIRIYA PLATE MILL CO.,LTD.
Office 28/1 Prapinit Bldg., 4th Fl., Surasak Rd., Silom, Bangrak, Bangkok, Thailand 10500
Tel.: (66) [illegible] Fax: (662) 630-0267
Factory 160 Moo [illegible] Bangpakong, Chachoengsao, Thailand 24130
Tel.: (038) 832-056-61 Fax: (038) 531-635

ORIGINAL

Dimension (Inch)			Heat No.	Unit Weight	Number of	Weight	Mechanical Properties				CHEMICAL COMPOSITION											
							TS.	YP.	EL.	Bending	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ce
T	W	L		MT(s)	Piece(s)	MT(s)	(KSI)	(KSI)	(%) GL.=200mm.		X100			X1000		X100				X1000		X1
1	60	240	S5-1341	1.852	8	14.816	70	46	29	-	17	22	94	16	9							
1	60	240	S5-1342	1.852	14	25.928	66	40	27	-	17	24	89	8	17							
1	72	240	S5-1509	2.223	14	31.122	68	45	30	-	19	20	94	12	12							
1	72	240	S5-1510	2.223	21	46.683	70	47	29	-	17	24	104	17	15							
1	72	240	S5-1511	2.223	21	46.683	76	51	26	-	21	24	104	10	9							
1	72	240	S5-1512	2.223	21	46.683	71	45	30	-	19	23	94	20	8							
1	72	240	S5-1513	2.223	21	46.683	72	46	24	-	20	18	93	21	13							
1	72	240	S5-1514	2.223	4	8.892	66	41	22	-	15	18	103	17	27							
1 1/4	48	96	S5-1567	0.741	54	40.014	64	39	26	-	18	21	64	13	17							
1 1/4	60	120	S5-1656	1.158	12	13.896	65	43	22	-	18	22	64	19	12							
1 1/4	60	120	S5-1657	1.158	6	6.948	63	40	21	-	15	25	67	26	18							
1 1/4	72	240	S5-1647	2.779	14	38.906	64	43	26	-	16	23	70	19	13							
1 1/4	72	240	S5-1648	2.779	9	25.011	63	37	28	-	16	20	71	21	10							
1 1/4	72	240	S5-1649	2.779	4	11.116	64	38	26	-	17	26	67	18	9							
TOTAL					223	403.381																

LABORATORY ENGINEER

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN SATISFACTORY TESTED

SAHAVIRIYA PLATE MILL CO., LTD. AUTHORIZED

09 MAR 2005

INTSEL STEEL DISTRIBUTORS

PO/Rel

Certificate of Mill Test Results

WLY-000000-000

PART NO.

Attn:

Certificate No. 05-02-277

LOT 5 : INTSEL STEEL / HOUSTON-DIRECT
TO TRUCKS (ASTM A36/A6)
MISA PO : CG-9642/CUSTOMER PO : SAN-1134

Reference : Order Sheet No. PPW 02-002

Customer Name : Marubeni-Itochu Steel Pte Ltd (Bangkok Branch)

Commodity : HOT ROLLED STEEL PLATE

Specification : ASTM A36/ASME SA36 FOR THICKNESS 0.354"-1.000"
ASTM A36/ASME SA36 MODIFIED; MN 0.30-1.20% FOR THICKNESS 1.142 "-1.250" (AIMING HALF TOLERANCES OF A6)

MILL INSPECTION CERTIFICATE

SAHAVIRIYA PLATE MILL CO.,LTD.
Office 28/1 Prapawit Bldg., 4th Fl., Surasak Rd., Silom, Bangrak, Bangkok, Thailand 10500
Tel.: (662) 630-0257-66 Fax: (662) 630-0267
Factory 160 Moo 3, Sukhontawit Rd., Bangpakong, Chachoengsao, Thailand 24130
Tel.: (038) 832-056-61 Fax: (038) 531-635

ORIGINAL

Dimension (Inch)			Heat No.	Unit Weight	Number of	Weight	Mechanical Properties				CHEMICAL COMPOSITION											
							TS.	YP.	EL.	Bending	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ce
T	W	L		MT(s)	Piece(s)	MT(s)	(KSI)	(KSI)	(%) GL=200mm.		X100			X1000		X100				X1000		X1
3/4	48	96	S5-1681	0.445	18	8.010	65	44	27	-	11	21	100	30	27							
3/4	48	96	S5-1682	0.445	107	47.615	64	46	28	-	14	21	73	11	18							
3/4	48	96	S5-1683	0.445	78	34.710	64	39	32	-	14	26	83	16	28							
3/4	48	120	S5-1673	0.556	36	20.016	67	43	27	-	14	27	78	23	26							
3/4	72	240	S5-1497	1.667	1	1.667	65	43	25	-	13	19	39	17	9							
3/4	72	240	S5-1630	1.667	18	30.006	66	45	28	-	14	22	36	14	11							
3/4	72	240	S5-1631	1.667	8	13.336	67	42	25	-	17	23	64	21	17							
3/4	72	240	S5-1632	1.667	27	45.009	67	44	25	-	19	24	67	18	14							
1	48	96	S5-1577	0.593	3	1.779	72	48	24	-	17	28	106	31	21							
1	48	96	S5-1578	0.593	21	12.453	68	47	22	-	17	26	87	10	31							
1	48	96	S5-1579	0.593	10	5.930	66	42	29	-	16	24	92	18	25							
1	48	120	S5-1573	0.741	17	12.597	68	48	31	-	15	25	91	7	15							
1	48	120	S5-1574	0.741	10	7.410	65	44	27	-	16	23	85	9	27							
1	72	240	S5-1514	2.223	9	20.007	66	41	22	-	15	18	103	17	27							
1 1/4	48	96	S5-1568	0.741	27	20.007	66	44	22	-	18	25	63	17	11							
TOTAL					390	280.552																

LABORATORY ENGINEER

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN SATISFACTORY TESTED

AUTHORIZED

Form No. PM-10-09

09 MAR 2005

05/16/2006 16:39 FAX 2813887071 MISA HOUSTON 005/005

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