

## MILL TEST CERTIFICATE



## **Tindal Stainless Limited**

Jajpur, Odisha

(INSPECTION CERTIFICATE)

:KANCHIPURAM - DIST

P.O.SO

SUDPMENT/DELIVERY NO

CUSTOMER

CHY

11 1 80 P. C. 0558003855 SALES ORDER NO Material Description/Produ HOT ROLLED ANNEALE PLATES. POR LED STAINLESS STEEL

:CRYOLOR ASIA PACIFIC PVT LTD

DATE PO DATE: 11.07.2017

SO DATE: 12.07.2017 DATE:25:10.2017

CERTIFICATE NO.

VEHICLE NO.

NETWICKO

:JSL-JRD/QA/2017-18'DOM 00339896

26,10,2017

CG04HR2914

12.700

aterial Specifications A-240M GR 304 Of ASME Section II, Part A Edinon 2015

Process-Route

Dimension Toterance specification

, Section in and a cannon assess	EAF-AOD-LRF-CCS	As not UAPO Agreement
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		(18)	S Sylvia	11		PHYSICA	I. DESCRIPTION						
sk NO	BATCH NO	PALEST COD # NO./PLATE	PRIMEALLED	(VEICHT SOUT)	NO OF PCS	HEAT NO	GRADE	TAK (unn)	(mm) WIDTH	LENGTH (mm)	FINISH	EDGE	QUALITY
1	DK13064401	0000331152	DK13064401	4.880	10	21701657	304	6.700	1,500 00	5,880	N1	TE	PRIME
3	DK13064402	0000331152	DK13064402	4.885	10	21701657	304	6,700	1,500,00	5.880	NI	TE	PRIME
3	DK 13064403	0000331152	DK13064403	2,935	6	21701657	304	6,700	1,500.00	5,880	N1	TE	PRIME

No					CHE	MICAL A	NALYSI	SULADE	E)		And W			1.141	
SR	HEAT NO	GRADE	С%	Ma%	S%	P%	Si%	Ni%.	Cr <sup>a</sup> /a	N%	Mo%	Cu%	3 i%	Nb/Cb%	A1%
	21701657	304	0 020	L:70	0.003	0.038	0,30	8.12	18,15	0.095					
?	21701657	304	0.020	1.70	0,003	0.038	0,30	8.12	18,15	0.095					
3	21701657	304	0.020	1:70	0.003	0.038	0,30	8.12	18 15	0.095					

	MECHANICA	L PRC	PERTI	ES;SAA	IPLE I	DIREC	TION - 3	TANSVE	RSE
<u></u>	Barch's No.	Thk mm	Rp 0.2/ YS Mpa	Rp (.0 Mpa	Rm/ TS Mpa	%EL A 50 mm	%FL see secti nun	Hardness 11RB	Bend Test 180°
1	DE 13064401	6.70	330		623	55		8-1 / 85	
2	DK 13064402	6.70	330		623	55		84 / 85	
3	DK 13064403	6.70	× <sub>y</sub> 330		623	55		84 / 85	

with the Code Compliance of ASME

7 Part A Edition: 2015

07/11/2017

A-SATHEESH

LAMATERIAL SOLUTION ANNUALED IN ACCORDANCE WITH REQUIREMENT AS I AID N ASTM A480 /A480M-16 // ASME SA-480/SA-480M 2015 SEC II, PART A "TABLE ATC 2) SURFACE FINISH AS PER ASTM A 180 /A 180M-16 // ASME SA-480/SA-180M 2015 SEC II, PART A NO LOS BOTH SIDE

AI DITIONAL INFORMATION

3)-DIMENSION TOLERANCE AS PER ASTM A080/A480M & ASME \$A480/SA480M, CLAUSE 9. 1)- ZERO NEGATIVE TOLERANCE ON PLATE THICKNESS.

5)-MARKING:- COMPANY NAME, COIL NO, HEAT NO, GRADE, SIZE, FINISH

6)-MATERIAL, DIMENSION & TOLERANCE COMPLY TO CRYOLOR SPEC, SC000001 REVISION 06 DT-21-12-2015

7) NO WELD REPAIR DONE ON PLATES

8) THE ABOVE MATERIAL ALSO CONFIRM TO IS 6011 GRADE 30181

9)- CHARPY IMPACT TEST CARREIED OUT IN TRANSVERSE DIRECTION AT -196 °C AS PER ASME SA370 & FOUND RESULTS AS RESPECTIVELY

HEAT NO/THICKNESS(mm)//SAMPLE SIZE /LyPACT ENERGY(I) AVERAGE VALUE LATERAL EXPANSION VALUE:-

2(701657/)6.7//\$.0x10.0x58.0/(101, 102, 103//102/1-08, 1-06, 1-04

Figurational supplied under time feet the trificane is fire from any gradionetive communition as children by procedures established by final Standess Limited as ver the recomment to our time to the trifical Standess Limited as ver the recomment to our time to the trifical Standess Limited as ver the recomment to our time to the trifical Standess Limited as ver the recomment to our time to the trifical standard sta

Jindal Stainless Limited Kalinga Nagar Industrial Complex, PO: Danagadi, Jajpur, Odisha-755026, India. TEL: +91-6726-266006, FAX: +91-6726-266006 Email: QualityMTC@jrd.jindalsteel.com

Jund Satisfactory

Date

Signature:..

This is hereby certified that the material was manufactured, sampled, tested & inspected in accordance with requirements of the material specification and has been found to meet the requirements of brder.

QMS: ISO 9001-2008 EMS: ISO 14001-2004 OHSAS: 18001-2007 CERTIFIED COMPANY

FORMAT NO:-JSLO/F/QA-CRM/32

Jindal Smirress Limited 36/10
MUKTI KANTA BEHE QA-TS

DETIMIL SSELMARES LIMITED CHANGE THE ROAD ODISHA-755026

ANY LINAUTHORIESO USAGE OF THIS TEST CERTIFICATE WILL WARRANT LEGAL ACTION