



**MILL TEST CERTIFICATE
(INSPECTION CERTIFICATE)**
In Accordance with EN 10204 : 2004 Type 3.1

Jindal Stainless Limited.
Jajpur, Odisha

Porindya

CUSTOMER	CERTIFICATE NO.	JSL-JRD/QA/2015-16/EXP/00013403
CITY	DATE	:22.09.2015
QA NO	OA DATE	:13.08.2015
SALES ORDER NO.	SO DATE	:13.08.2015
PROFORMA INVOICE NO.	DATE	:22.09.2015
	NET WEIGHT	:11.547
	COMMERCIAL INV. NO.	:6531

Material Description/Product COLD ROLLED ANNEALED PICKLED STAINLESS STEEL SHEETS	Material Specifications EN10088-4.10/EN10028-7.08/ EN 10088-2.05/AISI/ASTM A240/A240M-15/ASME SA 240/SA240M-13 SEC.II PART-A/AD2000 W0/W2/W10.PED 97/23/EC Annexure1, Sec.4.3.	Process-Route EAF-AOD-LRI-CCS	Dimension Tolerance specification As per DAVPO Agreement.
---	---	----------------------------------	--

PHYSICAL DESCRIPTION

SR NO	BATCH NO	PARENT COIL NO./PLATE NO.	PKT/PALLET NO	WEIGHT (MT)	NO OF PCS	HEAT NO	GRADE	THK (mm)	WIDTH (mm)	LENGTH (mm)	FINISH	EDGE	QUALITY
X 1	F020249706	0000148684	F020249706	1.156	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
X 2	F020249707	0000148684	F020249707	1.156	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
3	F020249708	0000148684	F020249708	1.156	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
4	F020249709	0000148684	F020249709	1.156	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
5	F020249710	0000148684	F020249710	1.156	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
6	F020249711	0000148684	F020249711	1.156	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
7	F020249712	0000148684	F020249712	1.150	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME
8	F020249713	0000148684	F020249713	1.150	13	21502335	1.4307/1.4301/304L/304	2.500	1,500.00	3,000	2B	TE	PRIME

CHEMICAL ANALYSIS (LADLE)

SR NO.	HEAT NO	GRADE	C%	Mn%	S%	P%	Si%	Ni%	Cr%	N%	Mo%	Cu%	Ti%	Nb/Cb%	Al%
X 1	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
X 2	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
3	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
4	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
5	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
6	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
7	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					
8	21502335	1.4307/1.4301/304L/304	0.022	1.72	0.003	0.039	0.23	8.03	18.10	0.080					

MECHANICAL PROPERTIES: SAMPLE DIRECTION - TRANSVERSE

Sr No.	Batch No.	Thk mm	Rp 0.2/YS Mpa	Rp 1.0 Mpa	Rm/TS Mpa	%EL A 50 mm	%EL 50mm	Hardness HRB	Bond Test 180°
1	F020249706	2.50	321	355	650	56		80.81	
2	F020249707	2.50	321	355	650	56		80.81	
3	F020249708	2.50	321	355	650	56		80.81	
4	F020249709	2.50	321	355	650	56		80.81	
5	F020249710	2.50	321	355	650	56		80.81	
6	F020249711	2.50	321	355	650	56		80.81	
7	F020249712	2.50	321	355	650	56		80.81	
8	F020249713	2.50	321	355	650	56		80.81	

ADDITIONAL INFORMATION

1)-THE ABOVE GRADE EN1.4307 PRODUCTS CERTIFIED ARE CONFIRMED THE REQUIREMENTS OF DIN EN 10088-4:2010 UNDER CONSTRUCTION PRODUCT'S REGULATION-3052011 VIA CERTIFICATE NO: 0045-CPR-1752.

2)-The DOP(Declaration of performance) No: JSL01.4307CR.

3)-APPROVED ACC. TO AD 2000-MERKBLATT W0,W2,W10 AND CERTIFIED ACC. TO PED (97/23/EC) BY CERTIFICATION BODY FOR PRESSURE EQUIPMENT OF TUV NORD SYSTEM(NOTIFIED BODY, REG. NO.045).

4)-MATERIAL SOLUTION ANNEALED IN ACCORDANCE WITH REQUIREMENTS AS LAID IN 10088-4, TABLE A.4.

5)-MATERIALS ALSO FULFILL THE REQUIREMENT OF ASTM A480/A480M-14 & ASME SA480/SA480M SEC. II PART A, ED 2013.

6)-IGC TEST AS PER EN ISO 3651-2 METHOD A / ASTM A262 PRACTICE 'E' & AFTER EXPOSURE THE SPECIMENS WERE BENT (11 : 180°) AND INSPECTED AT MAGNIFICATION OF 20X AND FOUND WITHOUT ANY CRACKS.

7)-ALL MATERIALS HAVE BEEN CHECKED FOR PMI TESTING BY PORTABLE XRF & FOUND SATISFACTORY.

8)-MATERIALS CONFORM TO REQUIREMENTS AS PER NACE MR 0175/ISO 15156 & NACE MR 0103.

9)-DIMENSIONAL TOLERANCE COMPLY AS PER EN ISO 9445-2.

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



The material supplied under this Test Certificate is free from any radioactive contamination as checked by procedures established by Jindal Stainless Limited as per the recommendations provided by AERB.

Jindal Stainless Limited, Kalinga Nagar Industrial Complex, PO: Dasgupta, Jajpur Odisha - 755026, India. TEL: +91-6726-266036. FAX: +91-1662-226496, 226496 Email: crm.quality@jrd.jindalsteel.com Format Ref: JSL/07/02A-CRM/03	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 order.	QMS-ISO 9001-2008 EMS-ISO 14001-2004 OHSAS-18001-2007 CERTIFIED COMPANY	For Jindal Stainless Limited SAROJ KANTH NAYAK AUTHORISED SIGNATORY JINDAL STAINLESS LIMITED KNUC, JAJPUR ROAD ODISHA-755026
---	--	--	--