



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

Jindal Stainless Limited.
Jajpur, Odisha

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CUSTOMER	:JSL GLOBAL COMMODITIES PTE. LTD	CERTIFICATE NO.	:JSL-JRD/QA/2021-22/EXP/00044999
CITY	:SINGAPORE	DATE	:14.02.2022
OA NO	:34135-ASVF	OA DATE:	26.11.2021
SALES ORDER NO.	:0568007285	NET WT(MT)	:102.825
PROFORMA INVOICE NO.	:6130019022	SO DATE:	02.12.2021
		COMMERCIAL INV. NO.	:J20212264775
		DATE:	14.02.2022

Material Description/Product COLD ROLLED STAINLESS STEEL COILS	Material Specifications EN 10088-4-9/EN 10028-7:16/ EN 10088-2:14/ASTM A240/A240M-20, ASME SA-240/SA-240M 2021 SEC. II, PART A/AD2000 W0/W2/W10.PED 2014/68/EU.	Process-Route EAF-AOD-LRF-CCS	Dimension Tolerance specification As per OA/PO Agreement.
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PHYSICAL DESCRIPTION

SR NO	BATCH NO	HRC/PLATE NO.	PKT/PALLET NO	WEIGHT (MT)	NO OF PCS	HEAT NO	GRADE	THK (mm)	WIDTH (mm)	LENGTH (mm)	FINISH	EDGE	QUALITY
1	C054019102	0000768162		10.260		12200191	1.4307/1.4301/304L/304	4.000	1,500.00	COIL	2B	TE	PRIME
2	C054019103	0000768162		10.195		12200191	1.4307/1.4301/304L/304	4.000	1,500.00	COIL	2B	TE	PRIME
3	CK16567302	0000773836		9.400		12200447	1.4307/1.4301/304L/304	4.000	1,250.00	COIL	2B	TE	PRIME
4	CK16567303	0000773836		9.375		12200447	1.4307/1.4301/304L/304	4.000	1,250.00	COIL	2B	TE	PRIME
5	E053825302	0000762407		10.500		12104895	1.4307/1.4301/304L/304	1.200	1,250.00	COIL	2B	TE	PRIME
6	Q054181201	0000770042		9.975		12200266	1.4307/1.4301/304L/304	5.000	1,500.00	COIL	2B	TE	PRIME
7	Q054181302	0000770638		9.960		12200287	1.4307/1.4301/304L/304	5.000	1,500.00	COIL	2B	TE	PRIME
8	Q054181303	0000770638		10.435		12200287	1.4307/1.4301/304L/304	5.000	1,500.00	COIL	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%
1	12200191	1.4307/1.4301/304L/304	0.025	1.73	0.003	0.041	0.25	8.03	18.08	0.087					
2	12200191	1.4307/1.4301/304L/304	0.025	1.73	0.003	0.041	0.25	8.03	18.08	0.087					
3	12200447	1.4307/1.4301/304L/304	0.022	1.73	0.003	0.043	0.26	8.02	18.20	0.085					
4	12200447	1.4307/1.4301/304L/304	0.022	1.73	0.003	0.043	0.26	8.02	18.20	0.085					
5	12104895	1.4307/1.4301/304L/304	0.022	1.73	0.003	0.042	0.35	8.05	18.13	0.081					
6	12200266	1.4307/1.4301/304L/304	0.025	1.73	0.003	0.044	0.24	8.02	18.07	0.087					
7	12200287	1.4307/1.4301/304L/304	0.020	1.74	0.002	0.042	0.25	8.03	18.30	0.092					
8	12200287	1.4307/1.4301/304L/304	0.020	1.74	0.002	0.042	0.25	8.03	18.30	0.092					

MECHANICAL PROPERTIES: SAMPLE DIRECTION - TRANSVERSE

ADDITIONAL INFORMATION

Sr No.	Batch No.	Thk mm	Rp 0.2/YS Mpa	Rp 1.0 Mpa	Rm/TS Mpa	%EL A 50 mm	%EL 565-580GL mm	Hardness HRBW	Bend Test
1	C054019102	4.00	324	357	612	56	61	82 / 83	
2	C054019103	4.00	324	357	612	56	61	82 / 83	
3	CK16567302	4.00	335	369	604	55	60	83 / 84	
4	CK16567303	4.00	335	369	604	55	60	83 / 84	
5	E053825302	1.20	341	376	631	58		80 / 81	
6	Q054181201	5.00	333	364	637	57	61	82 / 83	
7	Q054181302	5.00	337	367	628	58	62	83 / 84	
8	Q054181303	5.00	337	367	628	58	62	83 / 84	

1)- THE ABOVE GRADE EN 1.4307 PRODUCTS ARE CERTIFIED AND CONFIRMED AS PER THE REQUIREMENTS OF DIN EN 10088-4:2010 UNDER CONSTRUCTION PRODUCTS REGULATION-305/2011 VIA CERTIFICATE NO: 0045-CPR-1752, YEAR 2014.
2)-The DOP(Declaration of performance) No: JSLO/1.4307/CR.
3)-APPROVED ACCEPTANCE TO AD 2000-MERKBLATT W0,W2,W10 AND CERTIFIED ACCEPTANCE TO PED (2014/68/EU) BY CERTIFICATION BODY FOR PRESSURE EQUIPMENT OF TUV NORD SYSTEM (NOTIFIED BODY.REG. NO.:0045).
4)-MATERIAL ANNEALED IN ACCORDANCE WITH REQUIREMENTS AS LAID IN 10088-4:10, TABLE A.4.
5)-MATERIAL ANNEALED AT MINIMUM 1040 °C & QUENCHED IN WATER.
6)-MATERIALS ALSO FULFILL THE REQUIREMENT OF ASTM A480/A480M-20A // SA-480/SA-480M OF ASME II.A-2021
7)-IGC TEST AS PER EN ISO 3651-2 METHOD A/ASTM A262 Pr-E & AFTER EXPOSURE THE SPECIMENS WERE BENT(11 ; 180 °) AND INSPECTED AT MAGNIFICATION OF 20X AND FOUND WITHOUT ANY CRACKS.
8)-ALL MATERIALS HAVE BEEN CHECKED FOR PMI TESTING BY PORTABLE XRF & FOUND SATISFACTORY.
9)-MATERIALS CONFORM TO REQUIREMENT AS PER NACE MR 0175/ISO 15156-2015.
10)-DIMENSIONAL TOLERANCE COMPLY AS PER DIN EN ISO 9445-2.
Edge "TE" stands for TRIM EDGE

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 .

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Format Ref: JSLO/FQA-CRM/33



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 - 2015
EMS:ISO 14001-2015
ISO 45001:2018
CERTIFIED COMPANY

This document is digitally signed
Saroj Karla Nayak
Wednesday, March 16, 2022 4:27 PM