

MILL TEST CERTIFICATE (INSPECTION CERTIFICATE)

In Accordance with EN 10204:2004 Type 3.1

CUSTOMER

SALES ORDER NO.

OA NO

:JSL Global Commodities Ptc. Ltd

CITY

:32562

:Singapore

OA DATE:22.09.2020

NET WT(MT) SO DATE:23.09.2020 COMMERCIAL INV. NO.

CERTIFICATE NO.

DATE

:JSL-JRD/QA/2020-21/EXP/00037413

:11.12.2020

:56.005

:J20202161634

PROFORMA INVOICE NO. Material Description/Product COLD ROLLED STAINLESS STEEL COILS

:0568005609 :6130013345

DATE:11.12.2020

Material Specifications EN 10088-4:10/EN 10028-7:16/ EN 10088-2:14/ASTM A240/A240M-20/ASME SA240/SA240M-19 SEC.II PartA/AD2000 W0/W2/W10.PED 2014/68/EU.

Process-Route EAF-AOD-LRF-CCS Dimension Tolerance specification As per OA/PO Agreement

PHYSICAL DESCRIPTION FINISH EDGE HRC/PLATE PKT/PALLET WEIGHT LENGTH QUALITY BATCH NO THK WIDTH SR NO HEAT NO GRADE NO NO. NO (MT) OF (mm) (mm) (mm) E046880802 0000630624 1.4404/1.4401/316L/316 2.000 1,500.00 COIL PRIME 1 9.300 22001356 2B TE PRIME HU47169603 0000636282 9.530 12003229 1.4404/1.4401/316L/316 3.000 1,500.00 COIL 2B TE 2 H047217403 0000636368 10.950 12003222 1.4404/1.4401/316L/316 1.500 1,250.00 COIL 2B TE PRIME 3 PRIME 4 E046880803 0000630624 8.840 22001356 1.4404/1.4401/316L/316 2.000 1,500.00 COIL 2B TE 22001356 1.4404/1.4401/316L/316 COIL 2B TE PRIME 5 E046916402 0000630621 8.980 2.500 1.500.00 6 Q046869404 0000630688 8.405 12002942 1.4404/1.4401/316L/316 3.000 1,250.00 COIL 2B TE PRIME

	CHEMICAL ANALYSIS (LADLE)														
SR	HEAT NO	GRADE	C%	Mn%	S%	P%	Si%	Ni%	Cr%	N%	Mo%	Cu%	Ti%	Nb/Cb%	Al%
NO.															
1	22001356	1.4404/1.4401/316L/316	0.023	1.70	0.004	0.043	0.38	10.05	16.64	0.056	2.04				
2	12003229	1.4404/1.4401/316L/316	0.023	1.71	0.005	0.045	0.40	10.07	16.57	0.051	2.03				
3	12003222	1.4404/1.4401/316L/316	0.022	1.70	0.005	0.045	0.35	10.03	16.75	0.062	2.03				
4	22001356	1.4404/1.4401/316L/316	0.023	1.70	0.004	0.043	0.38	10.05	16.64	0.056	2.04				
5	22001356	1.4404/1.4401/316L/316	0.023	1.70	0.004	0.043	0.38	10.05	16.64	0.056	2.04				
6	12002942	1.4404/1.4401/316L/316	0.022	1.77	0.004	0.044	0.39	10.07	16.58	0.061	2.04				

	MECHANICAL PROPERTIES:SAMPLE DIRECTION - TRANSVERSE						TION -	TRANSVER	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 5.65 / 50(GL) mm	Hardness HRBW	Bend Test	1)-THE ABOVE GRADE EN 1.4404 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.		
1	E046880802	2.00	301	331	636	52		78 / 79		2)-The DOP(Declaration of performance) No: JSLO/1.4404/CR.		
2	HU47169603	3.00	335	370	587	53	58	78 / 79		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).		
3	H047217403 E046880803	2.00	303 301	338	580 636	51 52		81 / 82 78 / 79		4)-MATERIAL ANNEALED IN ACCORDANCE WITH REQUIREMENTS AS LAID IN 10088-4:10,TABLE A.4.		
5	E046916402	2.50	334	364	639	52		80/81		5)-MATERIAL ANNEALED AT MINIMUM 1040 % & QUENCHED IN WATER AT A SUFFICIENT RATE TO PREVENT RE-PRECIPITATION OF CARBIDES.		
6	Q046869404	3.00	312	345	587	51	56	80/81		6)-MATERIALS ALSO FULFILL THE REQUIREMENT OF ASTM A480/A480M-20 & ASME SA480/SA480M SEC. II PART A, ED.2019.		
										7)-IGC TEST AS PER EN ISO 3651-2 METHOD A/ASTM A262 Pr-E & AFTER EXPOSURE THE SPECIMENS WERE BENT(II; 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.		
			2							Under EDGE COLUMN "TE" stands for "TRIM EDGE"		
										The material supplied under this Test Certificate is free from any radioactive contamination as checked by procedures established by		

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 COMPAN

This document is digitally signed

Bibhuti Bhusan J

Bibhuti Bhusan Jena