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CML/9100015395

CUSTOMER :SHREE VENKTESH WIRES & STEELS PVT.L	CERTIFICATE NO. :JSHL-CRD/QA/2021-22/DOM/01119071
CITY :MUMBAI	DATE :24.12.2021
P.O.NO. :SV/SEPT/SELF PO DATE: 29.09.2021	VEHICLE NO. :HR39C7266
CUSTOMER SPECIFICATION :As per OA/PO agreement	SALES ORDER NO. :3100132435
	SHIPMENT/DELIVERY NO. :6100015405 / 2100860479 NET WT(MT) :13.845

Material Description/Product	Grade / Type	Material Specifications	Process-Route
STAINLESS STEEL	317L/317	ASME SA 240/SA 240M SEC.II PART A-19, ASTM A 240/A 240M-20, IS 6911 :2017 AMD NO.2	EF-AOD-LRF-CCS

PHYSICAL DESCRIPTION

SR NO.	BATCH NO.	HRC/PLATE NO.	PKT/PALLET NO.	WEIGHT (MT)	NO. OF PCS	HEAT NO.	THK (mm)	WIDTH (mm)	LENGTH (mm)	FINISH	EDGE	QUALITY
1	2001970119	357282		3.610	1	2111J5453	6.000	1,250.00	COIL	N1	Mill Edge	PRIME
2	2001970120	357282		3.680	1	2111J5453	6.000	1,250.00	COIL	N1	Mill Edge	PRIME
3	2001970121	357282		3.565	1	2111J5453	6.000	1,250.00	COIL	N1	Mill Edge	PRIME
4	2001970122	357282		2.990	1	2111J5453	6.000	1,250.00	COIL	N1	Mill Edge	PRIME

CHEMICAL ANALYSIS (LADLE)

HEAT NO.	%C	%Mn	%S	%P	%Si	%Ni	%Cr	%N	%Mo	%Cu	%Ti	%Nb	%Al
2111J5453	0.025	1.72	0.003	0.042	0.26	12.30	18.19	0.084	3.05	-	-	-	-

MECHANICAL PROPERTIES:SAMPLE DIRECTION - TRANSVERSE

Sr No.	Rp 0.2/YS Mpa	Rp 1.0 Mpa	Rm/TS Mpa	%EL GL= 50 mm	%EL GL= 80 mm	%EL GL= 5.65/ SO mm	Hardness HRBW	Bend Test
1	309	-	610	51	-	-	82 / 83	-
2	309	-	610	51	-	-	82 / 83	-
3	309	-	610	51	-	-	82 / 83	-
4	309	-	610	51	-	-	82 / 83	-

ADDITIONAL INFORMATION

1) MATERIAL SOLUTION ANNEALED AT TEMPERATURE 1040°C MINIMUM AND QUENCHED IN AIR-WATER MIST AT A SUFFICIENT RATE TO PREVENT RE-PRECIPIATION OF CARBIDES
 2) THE ABOVE MATERIAL FULLY CONFORMS TO IS 6911:2017 AMD2 CHEMICAL & MECHANICAL PROPERTIES OF PRODUCT AS TESTED IN ACCORDANCE WITH THE SCHEME OF TESTING & INSPECTION CONTAINED IN BIS CERTIFICATION.
 3) ABOVE MATERIAL ALSO FULFIL THE REQUIREMENTS OF ASTM A480/A480M/ASME SA 480/SA480M
 4) MATERIAL GRADE AS PER IS 6911 :2017 AMD NO.2: 317L

A) FINISHES: HOT ROLLED N1, 1D("N1" STANDS FOR NO.1) . COLD ROLLED 2D, 2B, BA, N4, BX, HC, LN, MMT, MR, SCB, SL, SR ("N4" STANDS FOR NO.4, "BX" STANDS FOR BOX FINISH, "HC" STANDS FOR HONEY COMB, "LN" STANDS FOR LINEN, "MMT" STANDS FOR MACROMAT, "MR" STANDS FOR MOON ROCK, "SCB" STANDS FOR SCOTCH BRITE, "SL" STANDS FOR SLIP FREE, "SR" STANDS FOR STRIPE) "P" STANDS FOR WITH TOP PVC , "H" STANDS FOR WITH BOTH SIDE PVC ,
 B) PLATE: MATERIAL 5 MM AND OVER IN THICKNESS AND OVER 250 MM IN WIDTH (AS PER ASTM/ASME STANDARD) & THICKNESS 3 MM OR OVER (AS PER DIN STANDARD)
 C) SHEET: MATERIAL UNDER 5 MM IN THICKNESS AND 600 MM AND OVER IN WIDTH (AS PER ASTM/ASME STANDARD) & THICKNESS LESS THAN 3 MM (AS PER DIN STANDARD)
 D) COIL:- IN "PHYSICAL DESCRIPTION"- LENGTH MENTIONED AS "COIL". E) NO WELD REPAIR HAS BEEN DONE ON ANY PRODUCT

Jindal Stainless (Hisar) Limited, Cold Rolling Division, O.P. Jindal Marg, HISAR-125005.INDIA. TEL :+91-1662-222471-83, FAX :+91-1662-220496, 220476 Email: quality.lab@jshl.in Format ref. : QAD-CR/09/F REV.14 Efd.Date 24/09/2021	This is hereby certified that the material was manufactured, sampled, tested & inspected in accordance with requirements of the material specification, SO/PO and has been found to meet these requirements. The material supplied under this Test Certificate is free from any radioactive contamination as checked by procedures established by Jindal Stainless (Hisar) Limited as per the recommendations provided by AERB. This is to confirm that all the above material have been melt & manufactured in India	QMS:ISO 9001-2015 EMS:ISO 14001-2015 ISO 45001:2018 ISO 50001:2018 CERTIFIED COMPANY	 Name: Sachin Position: Asst. Engineer
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