

(GOVERNMENT OF INDIA RECOGNISED EXPORT HOUSE)
 ISO 9001:2015 CERTIFICATE NO. 04 100 011022

L/C NO. & DATE :

F860(F824) QC 09/00/11.01.2018

MILL TEST / INSPECTION CERTIFICATE 3.1
 ACCORDING TO EN 10204 : 2005

Consignee						Test Certificate No. : SS-0043 - 01-2022-2023						
						Date of Issue : 07.05.2022						
						P. O. NO. : 8539						
						SC_No. & Date : 21-22/00139, Dt.09.03.2022						
						Invoice No. & Date : SS-0043-2022-23 Dt.07.05.2022						
PRODUCT DESCRIPTION STAINLESS STEEL SHAPES & SECTIONS (CHANNEL) [CONDITION - 1D]						LENGTH				Net Wt.		
						Ordered		Actual		26210 LBS.		
						20' - 22'		20' - 22'				
Article No.	Item No.	Heat No.	Material/Grade	Size mm/inch	Tolerance	Process Route						
-	-	CH-16786	304/304L 1.4301/1.4307	4 x 1.721 x 0.321 x 0.296	ASTM A484	Electric Melting, A.O.D. Refining, Continuous Casting						
CHEMICAL COMPOSITION (Weight %)												
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	Co	N
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-	-
Max.	0.030	0.75	2.00	0.040	0.030	19.60	1.00	10.00	1.00	-	-	0.1000
Results	0.025	0.47	1.61	0.033	0.012	18.35	0.15	8.11	0.40	-	-	0.0820
MECHANICAL PROPERTIES												
Specified Values	Test Method :- EN ISO 6892-1						Hardness EN ISO 6506-1 (BHN)	Test Method :-Charpy 'V' Notch Impact				
	Proof Strength N/mm ² /MPa		Tensile Strength N/mm ² /MPa (Rm)		Elongation after Fracture (A) %	Reduction of Area (Z) %		Tested (2mm) as per DIN EN ISO 148 - 1				
	0.2%(Rp0.2)	1%(Rp1.0)						Sample Size - Test Temp. :- 20 °C (Joules)				
Results	341	369	634		42	62	192-195	I	II	III	Avg.	
Remarks:												
1. Condition : 1D (Hot Rolled, Shot-Blasted and Pickled)						2. Solution annealed at 1050 °C.						
3. PMI test done 100% & found Satisfactory.						4. Material is free from radio-active contamination.						
5. Material free of contamination from mercury or metals liquid at ambient temperature.												
6. Inter-Granular Corrosion Test as per ASTM A262 - 15 (Pr.E) satisfactory.												
7. The material conforms to DIN EN 10088-3:2014, AD W0, ASTM A276/A276M-17, ASTM A484/A484M-20a, ASTM A479/A479M-20, ASME SA479/SA-479M-21 ASME SECTION II, PART A, AMS-QQ-S-763D, AMS - 5647K & AMS - 5639J Specifications.												
8. Surface condition found satisfactory as per EN 10163-3 Class D.												
9. Location of sample - Off Centre, Direction - Longitudinal, Test Temp - Room Temp., Shape of Test Piece - Flat.												
10. Marking details - Company Logo, Size, Grade & Heat No.												
11. The material is manufactured /melt in Chandan Steel Mill and is of Indian Origin.												
12. No welding/weld repairs was performed on this material.												
BUNDLE NO.: II915,II916,II917,II918,II919,II923,II924,II925,II926,II927,II928,II929,II930, II931,II932,II933,II934,II935,II936,II937,II938												
COLOUR : BLUE												



It is hereby certified that the above results are true and correct in every details and are meeting the requirements of specification & purchase order.

B. S. RAUTELA
 B. S. RAUTELA
 MANAGER - Q.A./WORKS INSPECTOR