

Microfusion CAST & ALLOYS		Office & Work : Plot No. : G-1064, G.I.D.C. Lodhika (Metoda) Rajkot (Gujarat) INDIA - 360021		Phone : +91 -2827-287201 E-mail : info@microfusioncast.com Web : www.microfusioncast.com		INSPECTION CERTIFICATE F-QA-611											
THIS CERTIFICATE HAS BEEN PREPARED AS PER EN 10204 : 2005 (Type 3.1)																	
Customer : JC VALVULAS INDIA PVT LTD		Metal Sps. : ASTM A351 Gr. CF8M -18e1 & JC-MDS-301 Rev-03		Melting Media : Air Melting Through Electric Induction Furnace		TC No. : GT -0507 - CF8M Date : 04/01/2024											
Heat Treatment : Solution Annealing : Heated at 1080 °C for 1 Hr. 30 Min. and Water Quench.		Mfg. Process : Investment Casting By Lost Wax Process		Invoice No. : GT -0507		Date : 04/01/2024											
Spectro Chemical Analysis																	
HEAT NO.	C %	SI %	Mn %	S %	P %	Cr %	Ni %	Mo %									
MIN						18.000	9.000	2.000									
MAX	0.080	1.500	1.500	0.040	0.040	21.000	12.000	3.000									
22F3	0.058	1.150	1.000	0.010	0.021	18.270	9.140	2.040									
Mechanical Properties								Impact Test								Hardness Test	
HEAT NO.	Tensile Strength		Yield Strength (0.2% Offset)		%Elongation (GL 25mm)		Impact Test (10mm X 10mm X 55mm) CVN 2mm at -50 °C In Joule								Hardness (BHN)		
MIN	KSI	MPa	KSI	MPa			27.0								237		
MAX	70.00	485.00	30.00	205.00	30.00		158.0								162		
22F3	77.58	535.03	43.09	297.17	50.28												
Dispatch Detail								Special Note									
Sr. No.	Description / Drawing No. - Revision No.				Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Actual Code	Marking on Casting : • Heat No. punch on Casting • Foundry Logo.							
1	1 1/2" (DN40) FIG-515 BODY #150, Drg. No. : 0515040CM-R5				C05151040M P-314	22F3	12	JCRM-2324000328		Chennai, Tamil Nadu, India Verified & Accepted R. D. 16/11/24							
2	1" (DN25) FIG-530 BODY #300, Drg. No. : 0530025CM-5				C05301025M P-314	22F3	5	JCRM-2324000328									
3	1 1/2" (DN40) FIG-515 ADAPTER #150, Drg. No. : 0515040LM-R5				L05151040M P-314	22F3	12	JCRM-2324000328									
Total Quantity : 29								Foundry Identification : (M)									
We, hereby certify that the items mentioned above are Manufactured, Stamped, Tested and Inspected in accordance with applicable material specifications ASTM A 351 Gr. CF8M / 18e1 & JC-MDS-301 Rev-03 and meet the requirements. • Certified that above mentioned casting is free from Radioactive Contamination. • Visual Inspection of castings carried out as per BS ISO 19959 Level 1. • Mechanical Test Specimens prepare & tested accordingly ASTM A370 -22 • Casting confirms to NACE MR 0175:2015, ISO 15156 : 2015 & NACE MR 0103 : 2015. • Approved & Certified according to PED 2014/68/EU - Annexure 1 Chapter 4.3 & AD 2000 - Merkblatt WO by Notified body for pressure equipment directive of TUV NORD SYSTEMS GMBH & CO. KG (Notified Body No. 0045)								Microfusion CAST & ALLOYS METODA		For, Microfusion Cast & Alloys Jignesh Patel Authorised By							