

	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-02/Rev-03/Date: 01/09/2018												
THIS CERTIFICATE HAS BEEN PREPARED AS PER EN 10204 : 2005 (Type 3.1)															
Customer : JC VALVULAS INDIA PVT LTD Metal Spe. : DIN EN 10213 - 1.4408 - 2016-10 & JC-MDS-640, Rev. No. 0		Melting Media : Air Melting Through Electric Induction Furnace Mfg. Process : Investment Casting By Lost Wax Process													
		TC No.: GT/25-26/1160 - 1.4408 Inv. No. : GT/25-26/1160	Date :02/03/2026 Date :02/03/2026												
Heat Treatment : Solution Annealing : Heated at 1080 °C for 1 Hr. 30 Min. and Water Quench.															
Spectro Chemical Analysis															
HEAT NO.	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Cu %						
MIN						18.000	9.000	2.000							
MAX	0.070	1.500	1.500	0.030	0.040	20.000	12.000	2.500	0.500						
D672	0.047	1.090	0.990	0.008	0.029	18.250	9.180	2.100	0.324						
D673	0.040	0.840	0.870	0.007	0.027	18.380	9.210	2.070	0.328						
D696	0.042	0.960	1.060	0.005	0.026	18.250	9.260	2.070	0.313						
D697	0.040	1.000	0.920	0.006	0.026	18.320	9.350	2.070	0.002						
Mechanical Properties				Impact Test				Hardness Test							
HEAT NO.	Tensile Strength		Yield Strength (1% Offset)		% Elongation (GL 25mm)	Impact Test(10mm X 10mm X 55mm) CVN 2mm at -196 °C In Joule				Hardness (BHN)					
		MPa		MPa											
MIN		440.00		205.00	30.00	27.0				27.0					
MAX		640.00				1	2	3	AVG.	210					
D672		552.30		312.48	51.40	98.0	100.0	96.0	98.0	165					
D673		522.90		311.47	50.76	102.0	96.0	92.0	96.6	162					
D696		545.78		298.79	51.20	102.0	96.0	98.0	98.6	162					
D697		539.72		301.08	50.96	106.0	100.0	98.0	101.3	159					
Dispatch Detail												Special Note			
Sr. No.	Description / Drawing No. - Revision No.					Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Line No.	Marking on Casting : • Heat No. punch on Casting. • Foundry Logo. JC Valvulas India Pvt. Ltd. Chennai, Tamil Nadu, India <i>Verified & Accepted</i> Q.A. 				
1	1" (DN25) FIG -540 PN40 - ADAPTER (SS), Drg. No. : 0540025LM-R9					L0540I025M P-497	D672	125	JCRM-2526-0188	06					
2	1" (DN25) FIG -540 PN40 - ADAPTER (SS), Drg. No. : 0540025LM-R9					L0540I025M P-497	D673	10	JCRM-2526-0188	06					
3	1" (DN25) FIG -540 PN40 - ADAPTER (SS), Drg. No. : 0540025LM-R9					L0540I025M P-497	D696	123	JCRM-2526-0188	06					
4	1" (DN25) FIG -540 PN40 - ADAPTER (SS), Drg. No. : 0540025LM-R9					L0540I025M P-497	D697	8	JCRM-2526-0188	06					
Total Quantity : 266												Foundry Identification : (M)			
• We, hereby certify that the items mentioned above are Manufactured, Stamped, Tested and Inspected in accordance with applicable material specifications DIN EN 10213 - 1.4408 - 2016-10 & JC-MDS-640, Rev. No. 0 and was found to meet the requirements. • Certified that above mentioned casting is free from Radioactive Contamination. • Found satisfactory as per MSS-SP-55 TYPE II TO XII CATEGORY A AND B ONLY • Mechanical Test Specimens prepare & tested accordingly DIN EN ISO 6892-1:2019 • Impact Test Specimens prepare & tested accordingly EN ISO 148-1. • Casting confirms to NACE MR 0175:2021/ISO 15156 :2020 & NACE MR 0103:2015/ISO 17945:2015. • 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															
										For, Microfusion Cast & Alloys  Jignesh Patel (Director) Authorised By					