


	<b>Office &amp; Work :</b> Plot No. : G-1064, G.I.D.C. Lodhika (Metoda) Rajkot (Gujarat) INDIA - 360021	<b>Phone :</b> +91 -2827-287201 <b>E- mail :</b> info@microfusioncast.com <b>Web :</b> www.microfusioncast.com	<b>INSPECTION CERTIFICATE</b>  F-QA-02/Rev-03/Date: 01/09/2018												
	THIS CERTIFICATE HAS BEEN PREPARED AS PER EN 10204 : 2005 (Type 3.1)														
<b>Customer :</b> JC VALVULAS INDIA PVT LTD <b>Metal Spe. :</b> DIN EN 10213 - 1.0619 - 2016-10 & JC-MDS-641, Rev No. 0	<b>Melting Media :</b> Air Melting Through Electric Induction Furnace <b>Mfg. Process :</b> Investment Casting By Lost Wax Process	<b>TC No.:</b> GT/25-26/1123 - 1.0619 <b>Inv. No. :</b> GT/25-26/1123	<b>Date :</b> 26/02/2026 <b>Date :</b> 26/02/2026												
<b>Heat Treatment :</b> 1) Quenching : Heated at 920 °C for 2 Hr. and Water Quench. 2) Tempering : Heated at 675 °C for 4 Hr. and Furnace Cool.															
Spectro Chemical Analysis															
HEAT NO.	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Cu %	V %	RE	CE %			
MIN	0.180		0.500												
MAX	0.230	0.600	1.200	0.020	0.030	0.300	0.400	0.120	0.300	0.030	1.000	0.430			
B639	0.207	0.368	0.880	0.009	0.017	0.097	0.064	0.007	0.027	0.010	0.205	0.383			
B661	0.187	0.391	0.910	0.008	0.015	0.087	0.057	0.005	0.025	0.010	0.184	0.365			
B674	0.190	0.353	0.920	0.008	0.015	0.083	0.063	0.010	0.026	0.011	0.193	0.370			
Mechanical Properties				Impact Test				Hardness Test							
HEAT NO.	Tensile Strength		Yield Strength (0.2% Offset)		%	Impact Test(10mm X 10mm X 55mm) CVN 2mm at -29 °C				Hardness (HBW)					
	MPa		MPa	Elongation (GL 25mm)		In Joule									
MIN	420.00		240.00	22.00		27.0			27.0						
MAX	600.00					1	2	3	AVG.						
B639	559.67		350.60	39.20		38.0	36.0	32.0	35.3						
B661	519.52		325.91	39.20		34.0	36.0	38.0	36.0						
B674	524.60		329.10	37.60		38.0	38.0	36.0	37.3						
B639									150						
B661									139						
B674									156						
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. <div style="border: 1px solid blue; padding: 5px; margin-top: 10px; text-align: center;"> <p style="color: blue; font-weight: bold; font-size: small;">JC Valvulas India Pvt. Ltd.</p> <p style="color: blue; font-weight: bold; font-size: small;">Chennai, Tamil Nadu, India</p> <p style="color: blue; font-weight: bold; font-size: small;">Verified &amp; Accepted</p> <p style="color: blue; font-size: x-small;">Q.A. R. D. K.</p> </div>					
4	4" (DN100) FIG -516 PN16 - BODY (CS)-M/C, Drg. No. : 0516100CM-10			C0516A100-037	B639	1	JCCMP-2526-01879		05						
5	2" (DN50) FIG -540 PN40 - BODY (CS)-M/C, Drg. No. : 0540050CM-08			C0540A050-037	B661	17	JCCMP-2526-01879		10						
6	2" (DN50) FIG -540 PN40 - BODY (CS)-M/C, Drg. No. : 0540050CM-08			C0540A050-037	B674	3	JCCMP-2526-01879		10						
Total Quantity : 21										Foundry Identification : 					
• We, hereby certify that the items mentioned above are Manufactured, Stamped, Tested and Inspected in accordance with applicable material specifications DIN EN 10213 - 1.0619 - 2016-10 & JC-MDS-641, 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											<b>For, Microfusion Cast &amp; Alloys</b>   Jignesh Patel (Director) <b>Authorised By</b>				