



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 - 16-10 & 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-0729 - 1.4408
Invoice No. : GT-0729
Date : 31/03/2025

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								
J508	0.037	1.120	0.990	0.009	0.026	18.220	9.510	2.190	0.241								
J509	0.048	1.180	1.010	0.010	0.027	18.310	9.420	2.160	0.234								

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	1	2		3				
MIN	440.00		205.00		30.00	27.0				
MAX	640.00					1	2	3		210
J508	549.04		313.78		51.60	98.0	102.0	100.0	100.0	162
J509	548.06		303.68		51.60	102.0	98.0	102.0	100.6	165

Dispatch Detail

Special Note

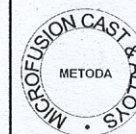
Sr. No.	Description / Drawing No. - Revision No.	Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Line No.	Marking on Casting :
1	6" (DN150) FIG -516 PN16 - ADAPTOR (SS)-M/C. Drg. No. : 0516150ML-6	L05161150-4 97	J508	10	JCCMP-2425001852	06	• Heat No. punch on Casting. • Foundry Logo.
2	6" (DN150) FIG -516 PN16 - ADAPTOR (SS)-M/C. Drg. No. : 0516150ML-6	L05161150-4 97	J509	8	JCCMP-2425001852	06	

JC Valvulas India Pvt. Ltd.
Chennai, Tamil Nadu, India
Verified & Accepted
Q.A. R. D. K. J.

Total Quantity : 18

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 - 16-10 & JC-MDS-640, Rev. No. 0 and was found to 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 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



Jignesh Patel (Director)
Authorised By