



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. : ASTM A351 Gr. CF8M - 24 & JC-MDS-301 Rev-04

Melting Media : Air Melting Through Electric Induction Furnace
Mfg. Process : Investment Casting By Lost Wax Process

TC No. : GT -0238 - CF8M
Invoice No. : GT -0238

Date : 06/08/2024
Date : 06/08/2024

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 %										
MIN						18.000	9.000	2.000										
MAX	0.080	1.500	1.500	0.040	0.040	21.000	12.000	3.000										
R489	0.058	1.030	1.090	0.016	0.027	18.260	9.130	2.050										
R490	0.055	0.990	1.160	0.013	0.026	18.260	9.390	2.060										
R492	0.078	1.010	1.100	0.013	0.026	18.370	9.180	2.080										

Mechanical Properties

HEAT NO.	Tensile Strength		Yield Strength (0.2% Offset)		%Elongation (G.L. 25mm)	Impact Test (10mm X 10mm X 55mm) CVN 2mm at -196 °C In Joule				Hardness Test			
	KSI	MPa	KSI	MPa									
MIN	70.00	485.00	30.00	205.00	30.00	27.0				237			
MAX						27.0				165			
R489	80.08	552.30	45.40	313.13	51.40	106.0				101.3			
R490	77.82	536.66	43.99	303.36	51.60	102.0				106.7			
R492	79.80	550.34	46.35	319.65	51.64	108.0				105.3			

Dispatch Detail

Sr. No.	Description / Drawing No. - Revision No.	Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Actual Code Pun. on Casting	Special Note
10	1" (DN25) FIG-515 ADAPTER #150 M/C. Drg. No. : 051502SLM-R5	L05151025-49	R489	56	JCCMP-2425000569		
11	1" (DN25) FIG-515 ADAPTER #150 M/C. Drg. No. : 051502SLM-R5	L05151025-49	R490	41	JCCMP-2425000569		
12	1" (DN25) FIG-515 BODY #150-M/C. Drg. No. : 051502SCM-R5	C05151025-49	R492	20	JCCMP-2425000569		

Total Quantity : 117

* We, hereby certify that the items mentioned above are Manufactured, Stamped, Tested and Inspected in accordance with applicable material specifications ASTM A351 Gr. CF8M - 24 & JC-MDS-301 Rev-04 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 MSS SP 55-2011, ASTM A997-23 Level III
* Mechanical Test Specimens prepare & tested accordingly ASTM A370 -24
* Casting conforms 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 SYSTEMS GMBH & CO. KG (Notified Body No. 0045)



For, Microfusion Cast & Alloys

Jignesh Patel (Director)
Authorised By