



Office & Work :
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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

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										
R492	0.078	1.010	1.100	0.013	0.026	18.370	9.180	2.080										
R493	0.060	0.910	1.120	0.011	0.027	18.270	8.180	2.040										
R494	0.056	1.100	1.200	0.014	0.024	18.410	9.440	2.050										

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	60.00	205.00	30.00	27.0							
MAX	79.80	550.34	46.35	319.65	51.64	27.0				237			
R492	79.02	544.95	44.13	304.35	50.32	108.0				165			
R493	80.20	553.12	43.66	301.08	51.48	104.0				159			
R494						102.0				162			

Dispatch Detail

Sr. No.	Description / Drawing No. - Revision No.	Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Actual Code P.un. on Casting	Special Note
13	1" (DN25) FIG-515 ADAPTER #150 M/C. Drg. No. : 0515025LHM-R5	L0515025-49	R492	28	JCCMP-2425000569		Marking on Casting : • Heat No. punch on Casting. • Foundry Logo.
14	1" (DN25) FIG-515 BODY #150-M/C. Drg. No. : 0515025CM-R5	C0515025-49	R493	36	JCCMP-2425000569		JC Valvulas India Pvt. Ltd. Chennai, Tamil Nadu, India Verified & Accepted 20/8/24
15	1" (DN25) FIG-515 BODY #150-M/C. Drg. No. : 0515025CM-R5	C0515025-49	R494	13	JCCMP-2425000569		

Total Quantity : 77

Foundry Identification : (M)

* 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.

• Visual Inspection of castings carried out as per MSS SP 55-2011, ASTM A997-23 Level III

• Mechanical Test Specimens prepared & tested accordingly ASTM A370-24

• 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 SYSTEMS

GMBH & CO. KG (Notified Body No. 0045)



For, Microfusion Cast & Alloys

Jignesh Patel (Director)
Authorised By