



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
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										
R427	0.061	1.040	1.040	0.013	0.031	18.270	9.130	2.180										
R428	0.060	1.100	1.050	0.011	0.029	18.390	9.180	2.050										
R448	0.067	1.030	1.030	0.012	0.033	18.460	9.190	2.070										

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			Hardness (BHN)		
	KSI	MPa	KSI	MPa							
MIN	70.00	485.00	30.00	205.00	30.00	27.0			237		
MAX						1			159		
R427	78.08	538.49	43.37	299.12	50.28	102.0			104.0		
R428	79.35	547.26	43.66	301.07	50.32	106.0			100.0		
R448	78.50	541.41	43.84	302.37	51.44	98.0			112.0		

Dispatch Detail

Sr. No.	Description / Drawing No. - Revision No.	Cust. Part ID	Heat No.	Dispatch Quantity	PO No.	Actual Code Pn. on Casting	Marking on Casting : • Heat No. punch on Casting. • Foundry Logo.
1	1" (DN25) FIG-515 BODY #150-M/C. Drg. No. : 0515025CM-R5	C0515025-49	R427	43	JCCMP-2425000569		
2	1" (DN25) FIG-515 ADAPTER #150 M/C. Drg. No. : 0515025L-M-R5	L0515025-49	R428	21	JCCMP-2425000569		
3	1" (DN25) FIG-515 BODY #150-M/C. Drg. No. : 0515025CM-R5	C0515025-49	R448	16	JCCMP-2425000569		

Total Quantity : 80

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-HII

• Mechanical Test Specimens prepare & 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 W0 by Notified body for pressure equipment directive of TUV NORD SYSTEMS

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



Foundry Identification : (M)

For, Microfusion Cast & Alloys

Jignesh Patel (Director)

Authorised By