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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** Melting Media : Air Melting Through Electric Induction Furnace TC No. : GT -0729 - WCB Date : 31/03/2025
Metal Spe. : **ASTM A216 Gr. WCB - 21 & JC-MDS-30A Rev. No. -05** Mfg. Process : Investment Casting By Lost Wax Process Invoice No. : GT -0729 Date : 31/03/2025

Heat Treatment : Normalizing : Heated at 920 °C for 1 Hr. 30 Min. and Air Cool.

Spectro Chemical Analysis

HEAT NO.	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Cu %	V %	CE %						
MIN																	
MAX	0.300	0.600	1.000	0.035	0.035	0.500	0.500	0.200	0.300	0.030	0.430						
F574	0.187	0.453	0.870	0.014	0.018	0.137	0.057	0.014	0.014	0.003	0.368						

Mechanical Properties

Hardness Test

HEAT NO.	Tensile Strength		Yield Strength (0.2% Offset)		%Elongation (GL 25mm)	Reduction of Area %	Hardness (BHN)		
	KSI	MPa	KSI	MPa					
MIN	70.00	485.00	36.00	250.00	22.00	35.00			
MAX	95.00	655.00							237
F574	77.72	536.01	49.56	341.81	36.48	56.96			150

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	1/2" (DN15) FIG-515 BODY #150-M/C, Drg. No. : 0515015CM-5	C0515A015M P	F574	44	JCRM-2425000290	01	• Heat No. punch on Casting. • Foundry Logo.
2	1/2" (DN15) FIG-515 ADAPTOR #150-M/C, Drg. No. : 0515015LM-R5	L0515A015M P	F574	46	JCRM-2425000290	03	

JC Valvulas India Pvt. Ltd.
Chennai, Tamil Nadu, India
Verified & Accepted
Q.A. R. D. [Signature]

Total Quantity : 90

Foundry Identification : (M)

• We, hereby certify that the items mentioned above are Manufactured, Stamped, Tested and Inspected in accordance with applicable material specifications ASTM A 216 Gr. WCB - 21 & JC-MDS-30A Rev. No. -05 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 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