



# AKSUNNA TECHNOLOGIES PVT. LTD.

Works : Survey No. 177, Plot No. 3, NH 27, Village : Bharudi, Tal. Gondal, Dist. Rajkot. - 360 311  
Ph. (02825) 280224, 280000

## INSPECTION CERTIFICATE

THIS CERTIFICATE HAS BEEN PREPARED AS PER DIN EN 10204 3.1

TC No. : JCRM-2223000390 / 3 / 1.0619 / FW2K / 274/22-23

Name of Customer : JC VALVULAS INDIA PVT. LTD.  
Certificate Confirms To : EN 10204 3.1  
Material Specification : EN 10213 2007+A1:2016(E) GR. : 1.0619

DC No. : 274/22-23 - 23/12/2022  
Invoice No. : 274/22-23 - 23/12/2022

Purchase Order No. : JCRM-2223000390 - 12/10/2022  
Order Acceptance No. : 0157/22-23 - 15/10/2022

### SPECTRO CHEMICAL ANALYSIS

Heat No.	Pouring Date	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Cu %	V %	CE	HTB No.
Min.	-	0.180	0.600	1.200	0.030	0.020	0.300	0.400	0.120	0.300	0.030	0.430	
Max.	-	0.230	0.600	1.200	0.030	0.020	0.300	0.400	0.120	0.300	0.030	0.430	
FW2K	29/11/2022	0.210	0.440	1.090	0.022	0.014	0.076	0.024	0.015	0.031	0.009	0.415	02/1031/22 & 02/1032/22

### MECHANICAL PROPERTIES

Heat No.	ASTM A370-19				ASTM A370-19	ASTM A370-19				Part Description / Drg. No.	Qty. (Dispatch)
	YS MPa 0.2 %	UTS MPa	Elgn. % 22	R.A. %	Hardness HRB	Charpy V-Notch Impact Test at -29 °C (Min. J)					
Min.	240.00	420.00	22.00		70.00	1	2	3	Avg	BODY IC DN50 540 Cust Drg No : 0540050CM Rev No : R Customer Part ID : C0540A050MP-037 PO Line No. : 3	46
Max.		600.00			88.00	27J	27J	27J	27J		
FW2K	292.30	532.64	34.96	-	80-82	40	46	38	41.33		

Casting Process : Melting By Electric Induction Furnace  
 Dimensional Inspection : Accepted as per respective component drawing  
 Visual Inspection : 100% Checked and Found Satisfactory As Per MSS SP 55 & BS ISO 19959:2005 STD.  
 Heat Treatment : Quenching at 920°C Temp, 1:00 Hour/Inch Soaking Time Then Water Quenching & Tempering at 680°C 02:00 Hour Per Inch Soaking Time Then Air Cool.  
 Surface Condition : Shot Blasted  
 Note : Materials are free from radio active contamination

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

Conclusion : Material Confirms to EN 10213 2007+A1:2016(E) GR. : 1.0619 Specification.

This alloy meets basic requirement of EN 10213 2007+A1:2016(E) GR. : 1.0619 Casting Confirms to Casting Confirms to NACE MR 0175-2015/MR 0103-2016 & ISO15156. AD 2000 Merblatt W0 and Certified according to PED (2014/68/EU) by Certification body for Pressure Equipment of TUV NORD System, Notified Body Reg. No.0045

M. D. Sutaraya MAULIK SUTARIYA (LABORATORY ASST.)	Rajesh Vachhani RAJESH VACHHANI (QA MANAGER)	Jaydeep Kapadiya Jaydeep Kapadiya (WORK INSPECTOR)
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