



# 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-2324000218 / 4 / 1.4408 / BS3L / 23-24/330

Name of Customer : JC VALVULAS INDIA PVT. LTD.  
Certificate Confirms To : EN 10204 3.1  
Material Specification : EN 10213 2007+A1:2016(E) GR. : 1.4408

DC No. : 23-24/330 - 12/01/2024  
Invoice No. : 23-24/330 - 12/01/2024

Purchase Order No. : JCRM-2324000218 - 15/09/2023  
Order Acceptance No. : 0172/23-24 - 16/09/2023

### SPECTRO CHEMICAL ANALYSIS

Heat No.	Pouring Date	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Cu %					HTB No.
Min.	--						18.000	9.000	2.000						
Max.	--	0.070	1.500	1.500	0.040	0.030	20.000	12.000	2.500	0.500					
BS3L	21/12/2023	0.037	0.870	1.180	0.031	0.010	18.780	9.490	2.180	0.430					03/1067/23

### MECHANICAL PROPERTIES

Heat No.	ASTM A370-22				ASTM A370-22	ASTM A370-22				Part Description / Drg. No.	Qty. (Dispatch)
	YS MPa / MPa 0.2 % / 1.0 %	UTS MPa	Elgn. % 4D	R.A. %	Hardness BHN	Charpy V-Notch Impact Test at -50 °C (Min. J)					
Min.	205.00 / 210.00	440.00	30.00			1	2	3	Avg	BODY IC DN100 540 Cust. Drg. No. : 0540100CM Rev. No. : 10 Mach. Drg. No. : 0540100C Rev. No. : 6 Customer Part ID : C0540I100MP-039 PO Line No. : 4	23
Max.		640.00			210.00	27J	27J	27J	27J		
BS3L	275.01 / 299.13	554.84	49.68	--	156-162	136	144	140	140.00		

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 19959:2020 STD.  
Heat Treatment : Solution Annealing at 1100 °C Temp. Soaking Time 1hr per Inch Then Water Quenching  
Surface Condition : Acid Pickling & Passivated  
Note : Materials are free from radio active contamination

Conclusion : Material Confirms to EN 10213 2007+A1:2016(E) GR. : 1.4408 Specification.

This alloy meets basic requirement of EN 10213 2007+A1:2016(E) GR. : 1.4408. 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. Sutarिया

MAULIK SUTARIYA  
( LABORATORY ASST. )

Rajesh Vachhani

RAJESH VACHHANI  
( QA MANAGER )

Jaydeep Kapadiya

Jaydeep Kapadiya  
( WORK INSPECTOR )