



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 / 10 / 1.4408 / BI3K / 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					
BI3K	30/11/2023	0.033	0.870	1.070	0.025	0.008	18.850	9.780	2.190	0.330					03/1014/23

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	END IC DN100 540 Cust. Drg. No. : 0540100LM Rev. No. : 9 Mach. Drg. No. : 0540100L Rev. No. : 5 Customer Part ID : L05401100MP-039 PO Line No. : 10	1
Max.		640.00			210.00	27J	27J	27J	27J		
BI3K	279.31 / 300.42	550.50	52.20	--	153-156	134	138	140	137.33		

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 19959:2020 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)