



Siddharth Technocast

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TEST CERTIFICATE

QC-06/00

AS PER EN - 10204 TYPE 3.1

M/s. JC Valvulas India Private Limited
 143, Industrial Estate,
 1st Main Road, Perungudi
 Chennai - 600 096
 Tamil Nadu, INDIA.
 Chennai - 600 096 (Tamil Nadu, India)

TC No. & Date : 24-25/B/0083 - 25/04/2024
 DC No. & Date : 24-25/0083 - 25/04/2024
 Invoice No. & Date : 24-25/0083 - 25/04/2024 ✓
 PO No. : JCRM-2324000503, JCRM-2324000508 ✓

Specification : ASTM A216/A216M - 21Gr. WCB ✓

SPECTRO CHEMICAL ANALYSIS

Heat No.	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Cu %	V %	C.E. %					Heat Code	
Min.																	
Max.	0.300 ✓	0.600 ✓	1.000 ✓	0.035 ✓	0.035 ✓	0.500 ✓	0.500 ✓	0.200 ✓	0.300 ✓	0.030 ✓	0.430 ✓						
4DHE ✓	0.187 ✓	0.401 ✓	0.790 ✓	0.016 ✓	0.014 ✓	0.223 ✓	0.068 ✓	0.012 ✓	0.009 ✓	0.012 ✓	0.373 ✓						

MECHANICAL PROPERTIES

Heat No.	TS MPa	YS MPa By 0.2% Offset	Elgn. %	R.A. %	Hardness BHN	Impact Test at Test Temp. -29 °C ✓				Die No.	Description	Qty.
						1	2	3	Avg			
Min.	485 ✓	250 ✓	22.00 ✓	35.00 ✓	--	22.00 ✓				27.00 ✓		
Max.	655 ✓	--	--	--	237 ✓	1	2	3	Avg			
4DHE ✓	548 ✓	369 ✓	29.00 ✓	62.87 ✓	157 ✓	44.00	52.00	48.00	48.00 ✓	S3510	12" (DN300) NPS Trunion Block CL.600 Fig-2560 Drg. No. : YTB-300-2560N-01 ✓ Rev. No. 02 ✓ Cust. Part ID : YTB-300-2560N-01-30A-001 ✓ PO Sr. No. : 3 ✓	10 ✓

JC Valvulas India Pvt. Ltd.

Chennai, Tamil Nadu, India
Verified & Accepted

Q.A.

Casting Process : Lost Wax Investment Casting
 Supply Condition : Hardening/Quenching at 920°C soaked for 2 hrs. Tempering at 650°C soaked for 4 hrs. And air cooled. ✓
 Visual Inspection : 100% Checked And Found Satisfactory As Per MSS - SP - 55 : 2011(Type II-XII) ✓
 Dimensional Inspection : Checked & Accepted As per Customer Drawing and The Compliance ISO 19959 Level 1
 Material Identification : Casting are Identified with Heat No. / Grade / Foundry Logo etc.
 Note : AS Per NACE MR 0175/ISO 15156-2015 (E) AND NACE MR 0103-2015
 As Per JC -MDS-30A Rev. 04. ✓
 50MM Gauge Length Test Bar

We hereby certify that the Items mentioned above confirms to PO
 Specification : ASTM A216/A216M - 21Gr. WCB ✓

For, Siddharth Technocast

Approved according to AD 2000 - Merkblatt W0 and certified according to
 PED 2014/68/EU Annex - 1 Sec. 4.3 TUV NORD systems (Notified Body
 Reg. No. : 0045)

(Dipak Thakar)
 Tested By



Q.C. & Q.A.
 Acce. Sign.

(K.I.Bhatt)
 Quality Control Dept.