



Tc 23-24-0883D-1

SPACE ALLOYS PVT. LTD.

Plot No. 223-228, Phase-3, Mahagujarat Ind. Estate, Moraiya, Ta. Sanand, Ahmedabad. Gujarat-382 213.
 Ph. 02717-298308 • Email : info@spacealloys.in • Website : www.spacealloy.com

Company Indentity Number :U28113GJ2010PTC061898

Material Test Certificate

Document No :	Revision No :	Effetive Date :	13/02/2011
J C Valvulas India Pvt Ltd 143, Developed Plots, 1st Main Road Perungudi Industrial Estate Perungudi	Tc No :	23-24/0883D/1	Date : 08/01/2024
	Challan No :	23-24/0883D	Date : 08/01/2024
	Specification :	ASTM:A-216/216 M- 2021 GR-WCB	
Chennai 600096 Tamilnadu	Chemical Comoposition :	%	
	Foundary Identification :	S	
	Melting Rout :	INDUCTION MELTING FURNACE	

Chemical Analysis

Property	C	Mn	S	P	Si	Cr	Ni	Mo	Cu	V	Rs-I	CE
Unit	%	%	%	%	%	%	%	%	%	%		
Min	-	-	-	-	-	-	-	-	-	-	-	-
Max	0.300	1.000	0.035	0.035	0.600	0.500	0.500	0.200	0.300	0.030	1.000	0.430
N1020	0.161	0.530	0.014	0.019	0.297	0.113	0.086	0.020	0.063	0.005	0.287	0.287

Mechanical Properties IMPACT TESTED AT -29° C.

Property	Y.S	U.T.S.	ELONG%	R.A.	BEND	HARDNES I	II	III	AVERAGE
Unit	MPA	MPA	in50mm	%	DEGREE	BHN	JOULES	JOULES	JOULES
Min	250.000	485.000	22.000	35.000	90.000	-	27.000	27.000	27.000
Max	-	655.000	-	-	-	237.000	-	-	-
N1020	297.900	531.700	30.200	59.000	OK	156.000	42.000	44.000	46.000

Heat Treatment : NORMALISED AT 940°C, 2 HOURS SOAKING AND AIR COOLED. &
 TEMPERED AT 640° C 4 HRS SOAKING THEN AIR COOLED.



Lab Incharge

For SPACE ALLOYS PVT. LTD.

Quality Incharge



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Dispatch Details

Heat No	Heat Date	Qty	Item Name & Drawing No.
N1020	11/12/2023	1	OA No : 23-24/0754/100%RG PO No : JCRM-2324000302. Dt: 09/11/2023 JCVBV150CL150BD6" X 150 # BV BODY SC (YSC-150-2515N REV. 10) YSC-150-2515N-01-30A-037
N1020	11/12/2023	1	JCVBV150CL150END6" X 150 # BV END SC (YSL-150-2515N REV. 08) YSL-150-2515N-01-30A-037
Total :		2	

We Certify that the castings mentioned above confirm to specification :

ASTM:A-216/216 M- 2021 GR-WCB

Note : Visually Inspected and Accepted as per MSS SP55-2011 Certificate According to EN 10204.3.1

Remark :

VISUALLY INSPECTED AND ACCEPTED AS PER MSS SP 55 LEVEL-A TYPE 2 TO 12 (2011) (yield Determine by 0.2% offset method)
MDS NO :- JC-MDS-30A REV 4. SP-037 & SP-148 & SP-204
IMPACT TESTED AT -29° C.



JC Valvulas India Pvt. Ltd.
Chennai, Tamil Nadu, India
Verified & Accepted
Q.A. C. Sathiyaj

For SPACE ALLOYS PVT. LTD.

Lab Incharge

Quality Incharge



MPT-23-24-038

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MAGNETIC PARTICLE INSPECTION REPORT

Date : 06/01/2024

Test Certificate No. : MPT/23-24/038
Material : ASTM:A-216/216 M- 2021 GR-WCB
Surface : UNMachined & Hand ground
Checked Portion : 100% surface ACCESSIBLE area
Client : J C Valvulas India Pvt Ltd
Component : As mentioned below
Equipment : K-Electronics, MT-200
Magnatisiton : Yoke Technique (Spacing Of Yoke 4)
Magnatic Current : AC
Magnatic Power : Magnaflux make 8A Red.
Sensitivity Checked By : ASTM Field Indicator
To Examination For : All
Reference Standard : ASTM E 709 (ASME B 16.34)

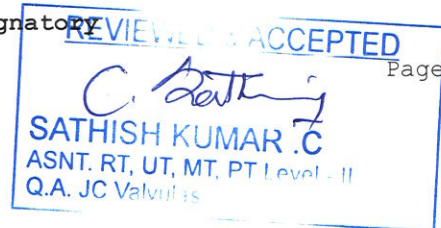
Sr. No.	Drawing No.	Heat No.	Qty	Result
1	6" X 150 # BV END SC (YSL-150-2515N-01)	N1020	1	NSD OK
2	DN150X100 X 600 # BV BODY SC (YSC-150-2660)	N1020	1	NSD OK
3	DN150X100 X 600 # BV END CAST (YSL-150-2660)	N1020	1	NSD OK
4	DN250X200 X 150 # BV BODY SC (YSC-250-2615)	N1020	1	NSD OK
5	DN250X200 X 150 # BV END CAST (YSL-250-2615)	N1020	1	NSD OK
6	6" X 150 # BV BODY SC (YSC-150-2515N-01)	N1020	1	NSD OK

Total : 6

Observation : NO SURFACE DETECTION

Tested By : RAHUL GUPTA (UTE/22/11/22/02) For SPACE ALLOYS PVT. LTD.

Authorized Signatory



Page 1 of 1