



**AMI ALLOYS**  
273-274, PHASE-I, OPP. ROAD NO 4-A, G.I.D.C., KATHWADA, ODHAV, AHMEDABAD  
PH : = 9328850598, 9328879000 E-mail : amialloys@gmail.com



**MATERIAL TEST CERTIFICATE**  
**DIN EN 10204 - 3.1**

M/s. JC VALVULAS INDIA PVT. LTD.  
143, DEVELOPED PLOTS, 1ST MAIN ROAD,  
PERUNGUDI INDUSTRIAL ESTATE,  
PERUNGUDI, CHENNAI-600096  
CHENNAI, Pin : 600096

T.C No : AA2022/24-25/3  
D.C No : AA2022/24-25  
O.A No : JCI-0021  
P.O No : JCRM - 2425000302

Date: 28/02/2025  
Date: 28/02/2025  
Date: 29/01/2025  
Date: 27/01/2025

**SPECIFICATION** : ASTM A 216-21 GR-WCB  
**HEATTREATMENT CONDITION** : Normalised at 920°C ±15°C / 3 Hrs Soaking & AIR COOLED.

**MELTING PROCESS** : INDUCTION FURNACE

**FOUNDRY IDENTIFICATION** : AMI

**CHEMICAL ANALYSIS**

HEAT No	C.%	Mn.%	Si.%	P.%	S.%	Cu.%	Ni.%	Cr.%	Mo.%	V.%	CE.%
MIN	-	-	-	-	-	-	-	-	-	-	-
MAX	0.300	1.000	0.600	0.035	0.035	0.300	0.500	0.500	0.200	0.030	0.500
Y1409	0.190	0.990	0.228	0.017	0.013	0.051	0.053	0.058	0.017	0.008	0.379
Y1069	0.187	0.996	0.225	0.019	0.013	0.051	0.057	0.059	0.019	0.007	0.377
Y1408	0.189	0.988	0.223	0.016	0.012	0.051	0.057	0.060	0.019	0.008	0.378
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**MECHANICAL PROPERTIES**

HEAT No	Y.S Mpa	T.S Mpa	% Elgn	% Red Area	Hardness BHN	Bend	Impact (Joules/Cm <sup>2</sup> )						%Shear Area			
							Temp		I		II			III		AVG J/Cm <sup>2</sup>
MIN	250	485	22	35	-	-	1	2	1	2	1	2	1	2	-	-
MAX	-	655	-	-	237	-	-	-	-	-	-	-	-	-	-	-
Y1409	286.51	521.99	24.86	62.22	182-185											
Y1069	291.21	519.82	25.00	63.40	185-187											
Y1408	294.03	512.06	24.68	64.70	188-190											
Y1408	294.03	512.06	24.68	64.70	188-190											

**DESPATCH DETAILS**

HEAT No	PATT No	ITEM DESCRIPTION	DRAWING No	DESP.QTY
Y1409	JCI0013	8"X300# BV BODY 2PC	YSC-200-2530N-01 (Rev 09)	2
Y1069	JCI0014	8"X300# BV SIDE PIECE 2PC	YSL-200-2530N-01 (Rev 06)	2
Y1408	JCI0017	DN150XCL150 BV BODY	YSC-150-2515N-01 REV10	2
Y1408	JCI0018	DN150XCL150 BV SIDE PIECE	YSL-150-2515N-01 REV8	2

We hereby certify that items mentioned above confirms to : ASTM A 216-21 GR-WCB  
Y.S. Tested By 0.20% Offset Method At Room Temperature. Fully Killed Casting  
Visual Inspection Carried Out As Per MSS SP 55-11, found satisfactory. Type II To XII "A" Accepted  
JCI MDS NO:JC-MDS-30 A REV-5, SP-359Rev 0., General Specification For Casting PS04/11 Rev 0, DTD-28/06/2023

For AMI ALLOYS



Tested By :

**PRECISE CASTING**

E-mail : amialloys@gmail.com

JC Valvulas India Pvt. Ltd.

Chennai, Tamil Nadu, India  
Verified & Accepted