



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 : AA2045/24-25/1
 D.C No : AA2045/24-25 ✓
 O.A No : JCI-0024
 P.O No : JCCMP - 2425001890 ✓

Date: 07/03/2025
 Date: 07/03/2025
 Date: 10/02/2025
 Date: 07/02/2025

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	0.230	1.000	0.600	0.035	0.035	0.300	0.500	0.500	0.200	0.030	0.430
Y1483	0.187	0.984	0.234	0.015	0.012	0.060	0.064	0.067	0.016	0.007	0.377
Y1484	0.187	0.987	0.222	0.018	0.013	0.060	0.061	0.063	0.017	0.007	0.377
Y1485	0.184	0.989	0.231	0.017	0.013	0.051	0.057	0.059	0.017	0.007	0.373
Y1483	0.187	0.984	0.234	0.015	0.012	0.060	0.064	0.067	0.016	0.007	0.377
Y1484	0.187	0.987	0.222	0.018	0.013	0.060	0.061	0.063	0.017	0.007	0.377
Y1485	0.184	0.989	0.231	0.017	0.013	0.051	0.057	0.059	0.017	0.007	0.373
Y1486	0.187	0.984	0.221	0.016	0.012	0.060	0.062	0.064	0.017	0.007	0.377
Y1487	0.188	0.981	0.235	0.017	0.011	0.057	0.058	0.062	0.017	0.007	0.376

MECHANICAL PROPERTIES

HEAT No	Y.S Mpa	T.S Mpa	% Elgn	% Red Area	Hardness BHN	Bend	Impact (Joules/Cm ²)						AVG J/Cm ²	%Shear Area		
							Temp		I		II				III	
MIN	250	485	22	35	-	-	1	2	1	2	1	2	1	2	-	-
MAX	-	655	-	-	237	-	-	-	-	-	-	-	-	-	-	-
Y1483	289.66	515.91	24.68	58.00	188-190	-	-	-	-	-	-	-	-	-	-	-
Y1484	282.24	515.81	24.70	63.03	186-188	-	-	-	-	-	-	-	-	-	-	-
Y1485	290.39	515.20	24.68	52.55	188-190	-	-	-	-	-	-	-	-	-	-	-
Y1483	289.66	515.91	24.68	58.00	188-190	-	-	-	-	-	-	-	-	-	-	-
Y1484	282.24	515.81	24.70	63.03	186-188	-	-	-	-	-	-	-	-	-	-	-
Y1485	290.39	515.20	24.68	52.55	188-190	-	-	-	-	-	-	-	-	-	-	-
Y1486	297.16	514.38	24.68	63.03	182-185	-	-	-	-	-	-	-	-	-	-	-
Y1487	293.63	508.00	24.68	63.04	186-188	-	-	-	-	-	-	-	-	-	-	-

DESPATCH DETAILS

HEAT No	PATT No	ITEM DESCRIPTION	DRAWING No	DESP.QTY
Y1483 ✓	JCI0007	6"X900# BV BODY 2PC ✓	YSC-150-2590N (REV-0) ✓	1 ✓
Y1484 ✓	JCI0007	6"X900# BV BODY 2PC ✓	YSC-150-2590N (REV-0) ✓	2 ✓
Y1485 ✓	JCI0007	6"X900# BV BODY 2PC ✓	YSC-150-2590N (REV-0) ✓	3 ✓
Y1483 ✓	JCI0008	6"X900# BV SIDE PIECE 2PC ✓	YSL-150-2590N (REV-0) ✓	1 ✓
Y1484 ✓	JCI0008	6"X900# BV SIDE PIECE 2PC ✓	YSL-150-2590N (REV-0) ✓	2 ✓
Y1485 ✓	JCI0008	6"X900# BV SIDE PIECE 2PC ✓	YSL-150-2590N (REV-0) ✓	3 ✓
Y1486 ✓	JCI0011	4"X3"X900# BV BODY 2PC ✓	YSC-100-2690N-34(REV-0) ✓	1 ✓
Y1487 ✓	JCI0011	4"X3"X900# BV BODY 2PC ✓	YSC-100-2690N-34(REV-0) ✓	6 ✓

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-506 Rev 0, General Specification For Casting PS04/11 Rev 0, DTD-28/06/2023 ✓

Tested By :

For AMI ALLOYS



E-mail : amialloys@gmail.com

PRECISE CASTING

JC Valvulas India Pvt. Ltd.

Chennai, Tamil Nadu, India
 Verified & Accepted



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FOUNDRY IDENTIFICATION : AMI

CHEMICAL ANALYSIS

HEAT No	C.%	Mn.%	Si.%	P.%	S.%	Cu.%	Ni.%	Cr.%	Mo.%	V.%	CE.%
MIN	-	-	-	-	-	-	-	-	-	-	-
MAX	0.230 ✓	1.000 ✓	0.600 ✓	0.035 ✓	0.035 ✓	0.300 ✓	0.500 ✓	0.500 ✓	0.200 ✓	0.030 ✓	0.430 ✓
Y1488	0.188	0.981	0.236	0.016	0.011	0.055	0.058	0.060	0.017	0.007	0.376
Y1489	0.191	0.976	0.225	0.017	0.013	0.060	0.062	0.058	0.018	0.008	0.379
Y1486	0.187	0.984	0.221	0.016	0.012	0.060	0.062	0.064	0.017	0.007	0.377
Y1487	0.188	0.981	0.235	0.017	0.011	0.057	0.058	0.062	0.017	0.007	0.376
Y1488	0.188	0.981	0.236	0.016	0.011	0.055	0.058	0.060	0.017	0.007	0.376
Y1489	0.191	0.976	0.225	0.017	0.013	0.060	0.062	0.058	0.018	0.008	0.379

MECHANICAL PROPERTIES

HEAT No	Y.S Mpa	T.S Mpa	% Elgn	% Red Area	Hardness BHN	Bend	Impact (Joules/Cm ²)						%Shear Area			
							Temp		I		II			III		AVG J/Cm ²
MIN	250 ✓	485 ✓	22 ✓	35 ✓	-	-	1	2	1	2	1	2	1	2	-	-
MAX	-	655 ✓	-	-	237 ✓	-	-	-	-	-	-	-	-	-	-	-
Y1488	295.99	516.80	24.68	58.62	188-190											
Y1489	294.91	515.35	24.68	59.95	186-189											
Y1486	297.16	514.38	24.68	63.03	182-185											
Y1487	293.63	508.00	24.68	63.04	186-188											
Y1488	295.99	516.80	24.68	58.62	188-190											
Y1489	294.91	515.35	24.68	59.95	186-189											

DESPATCH DETAILS

HEAT No	PATT No	ITEM DESCRIPTION	DRAWING No	DESP.QTY
Y1488 ✓	JCI0011	4"X3"X900# BV BODY 2PC ✓	YSC-100-2690N-34(REV-0) ✓	6 ✓
Y1489 ✓	JCI0011	4"X3"X900# BV BODY 2PC ✓	YSC-100-2690N-34(REV-0) ✓	4 ✓
Y1486 ✓	JCI0012	4"X3"X900# BV SIDE PEICE 2PC ✓	YSL-100-2690N-30(REV-0) ✓	6 ✓
Y1487 ✓	JCI0012	4"X3"X900# BV SIDE PEICE 2PC ✓	YSL-100-2690N-30(REV-0) ✓	6 ✓
Y1488 ✓	JCI0012	4"X3"X900# BV SIDE PEICE 2PC ✓	YSL-100-2690N-30(REV-0) ✓	4 ✓
Y1489 ✓	JCI0012	4"X3"X900# BV SIDE PEICE 2PC ✓	YSL-100-2690N-30(REV-0) ✓	1 ✓

We hereby certify that items mentioned above confirms to : ASTM A 216-21 GR-WCB
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 Verified & Accepted