

Specification : ASTM A216/A216M GR:WCB-2018

CASTLEGATE INDUSTRIAL HOLDINGS PRIVATE LIMITED

S.F.No.387/1, Devanampalayam(P.O), Pollachi(TK), Coimbatore, 642 120 Phone :7397161500 04259264166, Mail :castlegatellc@gmail.com GST No. :33AAGCC1514L2ZW

MATERIAL TEST CERTIFICATE
According to EN10204 - 3.1

ISO 9001 : 2015 CERTIFIED COMPANY

Customer : L&T VALVES LIMITED-CBE T.C. No. : I.T.C.

T.C. No : LTC/CG3380 - 001

T.C.Date : 24/02/2020

PO.No : 10180565 Dt. 06/08/2019 Heat No : CG3380 Pour Date : 10/10/2019

CASTING PROCESSED BY INDUCTION MELTING

FURNACE

FOUNDRY IDENTIFICATION : CG

CHEMICAL COMPOSITION %														
Element	С	Mn	Si	Р	S	Cr	Ni	Мо	Cu	٧	CE	RE	Al	
Minimum														
Maximum	0.230	1.000	0.600	0.030	0.025	0.500	0.500	0.200	0.300	0.030	0.430	0.500	0.060	
Actual	0.205	0.955	0.450	0.020	0.013	0.179	0.040	0.024	0.045	0.011	0.413	0.299	0.034	

HEAT TREATMENT: Normalising: Temperature raised upto 920°C Soaked for 4 hrs and then atmospheric air cooled.

MECHANICAL PROPERTIES												
	Yield Strength		Tensile Strength		%Elongation % Reduction		Hardness	Bend Test	Impact Test			
Requirments	kgf/mm²	Мра	kgf/mm²	Мра	GL :50 mm	In Area	HBW					
	0.2 % Rp		-		-	-						
Minimum	25.48	250	49.44	485	22	35	· · · · · · ·	and with all				
Maximum			66.77	655	AND THE TAXABLE TAXABL	Jahn Sales Appl	235		1	2	3	Avg
Actual	32.63	320.13	55.04	539.9	34.52	64.19	159					

ITEM DESCRIPTION

SL.No.	Description	Drawing No.	Quantity	
1	14"300 BB-GATE-EN BONNET	AG4301R REV 1	4	
2	14"300 BB-GATE-EN BODY	AG4300R REV 1	2	

NDT DETAILS:

Remarks:

- 1. This Certificate conforms to NACE MR0175-2015/ ISO 15156/MR0103-2015 & TDC 001 Rev 28.
- 2. Visual Inspection as per MSS SP-55 TYPE II-XIIa and found accepted.
- 3. Certified that the Castings are free from Radioactive contaminations.
- 4. Castings are dimensionally acceptable as per respective drawing.
- 5.MPI carried out as per NDE-002 Rev 09 and found accepted.
- 6.Carbon steel fully killed & Fine grained.

MTC - REVIEWED & ACCEPTED

20069691 LTV QC

We Confirm that the above material was manufactured, sampled, tested & inspected in accordance with the drawing, material specification, Customer order requirement and found to meet the requirements

SUK

Prepared By K.SENTHILKUMAR

Approved By
ARUN KUMAR.N

CIH/F/QA-04/RO