

VBMU-2462

F18309

**VENUS WIRE INDUSTRIES PVT. LTD.**

REGD. OFFICE: 19 RAGHUVANSHI MILL COMPOUND, S. B. MARG, LOWER PAREL, MUMBAI 400 013, (INDIA)  
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ISO: 9001:2000  
 CERTIFIED

INSPECTION / MILL / QUALITY CERTIFICATE  
 EN 10204 TYPE 3.1

No. BB/VW/2008-2009/3756

PRODUCT INFORMATION	CUSTOMER : M/S. ASA ALLOYS	GRADE : AISI-316/316L
	INVOICE NO. : VW/1190/EXP/2008-2009	HEAT NO : VBMU-2462
	PRODUCT FORM : STAINLESS STEEL BRIGHT BARS	QUANTITY: 2854.99 LBS
	DIMENSION : 3" ANNEALED	TOL : A484
	IDENTIFICATION : YJ 6474, YJ 6475,	
CONDITION : ANNEALED+PEELED+CENTRELESS GROUND+POLISHED		

CHEMICAL COMPOSITION	ELEMENTS	C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%	Mo%	N%	Nb%	Al%		
	MIN SPECIFIED	---	---	---	---	---	16.00	10.00	---	2.00	---	---	---	---	---
	MAX	0.030	1.00	2.00	0.045	0.030	18.00	14.00	---	3.00	---	---	---	---	---
RESULTS	0.026	0.370	1.300	0.040	0.029	16.75	10.05	0.490	2.020	0.060					

MECHANICAL PROPERTIES	ELEMENT	UTS (KSI)	YS(0.2% Offset) (KSI)	R.A. (%)	ELONGATION (%)	HARDNESS (BHN)
	MIN SPECIFIED	70	36	40	30	140
	MAX	---	---	---	---	235
RESULTS	87	43	74	58	159	

HEAT TREATMENT: ANNEALED.

**REMARKS :**

- \* MATERIAL IS FREE FROM MERCURY AND RADIUM CONTAMINATION & PRODUCED WITHOUT OZONE DEPLETING SUBSTANCE.
- \* P/C CALIBRATION STANDARD BS STANDARD BS 2M 54:1991
- \* MATERIAL CONFORMS TO ASTM A-276-06; CONDITION ANNEALED ; ASTM A484/A484M-06; A-479/A479M-06; CONDITION ANNEALED; ASME SA479/479M-MAR.10.2000; A370-05; API 6A; NACE MR0175; UNS# S31600 & S31603.
- \* IGC TEST FOUND SATISFACTORY AS PER A262-02a PRACTICE B
- \* QTC SIZE 80.00 MM & PROLONGATION OF ACTUAL BAR.
- \* GRAIN SIZE : 6 AND FINER.
- \* THE ABOVE MATERIAL IS TESTED AND CONFORMS TO CUSTOMERS SPECIFICATION.
- \* MICROSTRUCTURE FOUND SATISFACTORY.
- \* HARDNESS- 83 HRB
- \* MELTING PROCESS BAF CONVERTOR VOD.
- \* NO WELDING PERFORMED.
- \* HOT REDUCTION RATIO 1:5.10
- \* CUSTOMER ORDER NO. : 15565
- \* COUNTRY OF ORIGIN : INDIA

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE CUSTOMER'S REQUIREMENTS, NEEDS AND EXPECTATIONS. MECHANICAL TEST RESULTS ARE TAKEN RANDOMLY FROM THE LOT.

DATE: 21/01/2009



WORK INSPECTOR  
 V.C.

DOC.No. FQAD/06,R3

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 For any information / query please quote Invoice No. & TC No. / Invoice No. & Bundle No.