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 Works: SURVEY No- 114.119 & 120, VILL. Mahagaon, Tal: Palgar, Dist: Thane-401501, MAHARASTRA, INDIA. vielqc@viraj.com

86169.

INSPECTION CERTIFICATE

CUSTOMER ASA ALLOYS TORONTO O/A CANADIAN SPECIALTY METALS ULC 81 STEINWAY BLVD. ETOBICOKE ONTARIO, M9W 6H6 CANADA	ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
	P011381	51/931664/2	100001325205	02.11.2011
			GRADE AISI 304	HEAT No 86169

BUNDLE NO :
5144594,

DESCRIPTION
26,065 POUNDS STAINLESS STEEL ROUND BAR SLIC NO.: 654516-02 DATED: 14/11/2011

FORGED BARS

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
11"	ROUND	DIN 1013	12' - 18'	1	3,933.000 LB

CHEMICAL ANALYSIS

C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0200	1.700	0.420	0.0220	0.0370	18.060	8.680	0.500	0.250	0.160	0.08100

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
37.0	83.0	60.0	71.0	165.0	5.0

SPECIFICATION:

MATERIAL CONFIRMS TO DIN EN 10088-3:2005:WNR 1.4301/1.4307 EN 10222-5 AND EN 10272 COND-A & ASTM A182/A-182M-09, A276-10 COND A, A479/A479M-06a COND A, A193/A193M-10a B8 CL-1, A320/A320M-05a B8 CL-1, A484 10, A388/A388M-05, ASME SA182-04, SA479-04, SA 193-04 B8 CL-1, SA320-04 B8 CL-1, ASTM A314-2002, IGC SATISFACTORY AS PER ASTM A 262-02a PRACTICE E, AMS 5639H /AMS5647H (EXCEPT MARKING), QQ-S-763F, NACE-MR0175-2002, SAE-AMS-S-7720A, MIL-S-862-B AISI 304/304L & UNS=S30400/S30403, CERTIFICATION AS PER EN 10204-3 1.

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS.
 MINIMUM SOLUTION ANNEALING TEMPERATURE 1050°C, SOAKING TIME 01 HR/INCH WATER QUENCHED.
 WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR
K R K MURTHY