

20100

CO01103

VIRAJ IMPOEXPO



(Division of Viraj Profiles Ltd)
10 Imperial Chambers, 1st Floor,
Wilson Road, Mumbai 400 038
INDIA

TEST CERTIFICATE

CUSTOMER	ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
		DMP/909405/7	100000138930	09.08.2009

BUNDLE NO.
2059369, 2059370, 2059385, 2059386, 2059371, 2059431, 2059432.

GRADE 1.316316L
HEAT No 80100

DESCRIPTION
STAINLESS STEEL BRIGHT BARS

PEELED & POLISHED

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
1 1/8"	ROUND	ASTM A484	12-14	46	7,232.000 LB

CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0300	1.440	0.460	0.0250	0.0400	16.800	10.010	0.430	2.030	0.140	0.0750

TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
44.0	93.0	37.0	70.0	179.0	6.0

SPECIFICATION:

MATERIAL CONFORMS TO ASTM A 316-06, COND. A, A 479/479M-06, COND. A, A 193/193M-06 & A 312/312M-06 BEM CL. A484-06, A 182 (182M-06 COND. A, ANNE SA 479-06, COND. A, SA 193-06 BEM CL.1, SA 312-06 BEM CL.1, SA-182-06 (CHEMISTRY ONLY), NACE MR0175-2002, AMS QQ-S-763 B-06, COND. A. (EXCEPT MARKING), AMS 5648/ 5653 (EXCEPT MARKING), INTERGRANULAR CORROSION TEST AS PER ASTM A 182-06 PRACTICE E, GRAIN SIZE AS PER ASTM B 113-06e1, IMPROVED MACHINABILITY QUALITY, UNS-S-31600S-31603, CERTIFIED AS PER EN 10104-3.1.

REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICRO-FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1HR/IN., WATER QUENCHED, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION. MELT SOURCE: AOD, MELT & MANUFACTURED: INDIA

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

Suvarna
WORKS INSPECTOR
S. SUVARNA