

SC2698-50

Messrs: COPPER & BRASS SALES

Order No: 2012008492

FILE NO: 2012007639-A

Grade: 316/316L

Size: 8.5"

HEAT-Lot No: **SC2698-50**

Condition: HF-Solution Annealed-Turned

Part/Code No.:SSRD00147

P.O.NO.: 5400160412-R05

Date: 12/26/2012

Weight: 2204.0KG 4858.98LB

P'cs: 2

Chemical Composition (wt%)

	C	Si	Mn	P	S	Ni	Cr
Min.			1.25			10.00	16.00
Max.	0.030	1.00	2.00	0.040	0.030	14.00	18.00
Result	0.023	0.47	1.62	0.036	0.022	10.20	16.35

	Mo	Cu
Min.	2.00	
Max.	3.00	1.00
Result	2.13	0.45

Mechanical Properties Spec.

	Hardness	Hardness	Grain Size
	1/2R	Surface	ASTM E112
Spec.Min.			T
Spec.Max.	235HBW	235HBW	5
Result	158HBW	158HBW	5

Corrosion Test
 ASTM A262 Practice E

Spec.Max.	
Result	OK

	Tensile Test		Tensile Strength(Rm)		Yield Strength(0.2% Rp)		Reduction of Area(Z)	
	Elongation(A)	1/2R L	(Ave)	1/2R L	(Ave)	1/2R L	(Ave)	
Unit	%	KSI	%	KSI	%	%	%	
Min.	40	75	30	39	50	81		
Max.		115						
Result	61	83						

Specification:

- 1.ASTM A276-10.
- 2.NACE MR0175/ISO 15156 (EXCEPT H2S TEST).
- 3.THYSSENKRUPP CBS 316L. NACE REV.0.
- 4.EN 10204 TYPE 3.1.

Mars Wang
 QA SECTION
 Mars Wang



Our quality and environment management systems have been certified by AS9100, ISO9001 QMS, ISO14001 EMS, OHSAS18001 OH&S, and NADCAP. We hereby certify that the material described herein has been manufactured and tested with satisfactory results and NADCAP. We hereby certify that the material described herein has been manufactured and tested with satisfactory results and NADCAP. We hereby certify that the material described herein has been manufactured and tested with satisfactory results and NADCAP.

GLORIA GLORIA MATERIAL TECHNOLOGY CORP.
GROUP INSPECTION CERTIFICATE

台南市新營區新中路35號
 NO.35,HSIN CHUNG RD.,HSIN YING,
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- 5.AMS 5648L.
- 6.AMS 5653G.
- 7.ASTM A479/A479M-11,

Remark:

- 1.MELTING PROCESS :BAF+LHF+VOD.
- 2.MATERIAL FREE FROM KNOWN CONTACT WITH MERCURY & RADIUM.
- 3.MATERIAL FREE FROM WELDS OR WELD REPAIRS.
- 4.SOLUTION TREATMENT : 1040 DEGREE C MIN, 30MINUTES+15MINUTES / PER INCH, WATER COOLED.
- 5.WE CERTIFY THAT OUR SUPPLIED MATERIAL IS COMPLIANCE TO ROHS DIRECTIVE.
- 6.REDUCTION RATIO : 6.5:1.



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