

SC2719-40 - 8"

台南市新營區新中路35號
NO.35,HSIN CHUNG RD.,HSIN YING,
TAINAN,TAIWAN
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GLORIA MATERIAL TECHNOLOGY CORP. GROUP INSPECTION CERTIFICATE

Messrs: COPPER & BRASS SALES
Order No: 2012008492
FILE NO: 2012007639-B
Grade: 316/316L
Size: 8"
HEAT-Lot No: SC2719-40
Condition: HF-Solution Annealed-Turned

Part/Code No.:SSRD00445
P.O.NO.: S400160412-R05
Date: 12/26/2012
Weight: 935.0KG 2061.32LB
P'cs: 1

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	0.022	0.26	1.62	0.035	0.020	10.45	16.21
	Mo	Cu					
Min.	2.00						
Max.	3.00	1.00					
Result	2.06	0.39					

Mechanical Properties Spec.

	Hardness	Hardness	Grain Size
	1/2R	Surface	ASTM E112
Spec.Min.			T
Spec.Max.	235HBW	235HBW	5
Result	150HBW	151HBW	5

Corrosion Test ASTM A262 Practice E

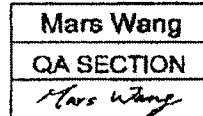
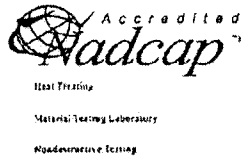
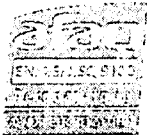
Spec.Max.
Result OK

Tensile Test

	Elongation(A)	Tensile Strength(Rm)	Yield Strength(0.2% Rp)	Reduction of Area(Z)
	1/2R L (Ave)	1/2R L (Ave)	1/2R L (Ave)	1/2R L (Ave)
Unit	%	KSI	KSI	%
Min.	40	75	30	50
Max.		115		
Result	63	82	38.1	80

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.



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 in accordance with the requirement of the above material specification. Inspection Certificate comply with EN 10204 3.1.



GROUP

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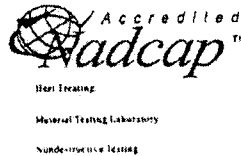
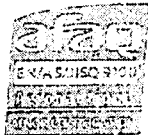
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- 5.AMS 5648L.
- 6.AMS 5653G.
- 7.ASTM A479/A479M-11.

Remark:

- 1.MELTING PROCESS :EAF+LHF+VOD.
- 2.MATERIAL FREE FROM KNOWN CONTACT WITH MERCURY & RADIUM.
- 3.MATERIAL FREE FROM WBLDS OR WELD REPAIRS.
- 4.SOLUTION TRBTAMENT : 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.



Mars Wang
QA SECTION
<i>Mars Wang</i>

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