

HT# T 2726-32

#3385 P.002

50009

7/3

2/3



GLORIA MATERIAL TECHNOLOGY CORP.

INSPECTION CERTIFICATE

1FL., NO. 35, HSIN CHUNG RD., HSIN YING, TAINAN, TAIWAN, ROC

TEL: (06)6520000 FAX: (06)6520088

Messrs: ASA ALLOYS INC.
Order No: 2006000901 Grade: 316L P.O.NO.: 056095-CV
FILR NO: 2006002519-B Size: 11" Date: 08/03/2006
HEAT-Lot No: T2726-32 Weight: 2138.0KG 4713.48LB P'es: 1
Condition: HX-Solution Annealed-Turned

Chemical Composition (wt%)

Table with 11 columns: C, Si, Mn, P, S, Ni, Cr, Mo, Cu, N. Rows include Min., Max., and Result values.

Mechanical Properties Spec.

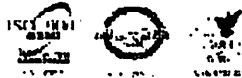
Table with 4 columns: Hardness(1/2R), Grain Size, Carbide Dist. Rows include Spec.Min., Spec.Max., and Result values.

Tensile Test

Table with 5 columns: Elongation(A), Tensile Strength(Rm), Yield Strength(Rp), Reduction of Area(Z). Rows include Unit, Min., Max., and Result values.

Specification:

- 1. ASTM A182/A182M-05a.
2. ASTM A193/A193M-05 class 1 B8M.
3. ASTM A262-02 practice E.
4. ASTM A276-05a.
5. ASTM A314-97(reapproved 2002).
6. ASTM A320/A320M-05a class 1 B8M.
7. ASTM A479/A479M-05.
8. ASTM A484/A484M-05a.
9. ASME SA-182 B04.
10. ASME SA-479 B04.
11. ASME SA320 B04 B8M CL1.
12. ASME SA 193 B04 B8M CL1.
13. AMS 5648K.
14. AMS 5653F.



Mars Wang
QA SECTION
Mars Wang

Our quality and environment management system have been certified by ISO9001 QMS and 14001EMS. We hereby certify that the material described herein has been manufactured and tested with satisfactory result in accordance with the requirement of the above material specification. We hereby Inspection Certificate comply with EN10204 3.1.D.

T2726-32

Faint, illegible text at the top of the page.

Block of faint, illegible text in the middle section of the page.

Second block of faint, illegible text in the middle section of the page.

Third block of faint, illegible text in the middle section of the page.

Faint text at the bottom left corner of the page.

3/3



GLORIA MATERIAL TECHNOLOGY CORP.

INSPECTION CERTIFICATE

TEL. NO.35,HSIN CHANG RD.,HSIN YING, TAINAN,TAIWAN,R.O.C

TEL: (06)6320000 FAX: (06)6320088

Messrs: ASA ALLOYS INC. Order No: 200600901 Grade: 316L P.O.NO.: 056095-CV FILE NO: 2006002510-B Size: 11" Date: 08/03/2006 HEAT-Lot No: T2726-32 Weight: 2138.0KG 4713.48LB P'cs: 1 Condition: HF-Solution Annealed-Turned

- 15. AMS QQS 763A condition A. 16. MIL-S-862B. 17. MIL-S-7720A. 18. NACH MR0175/ISO 15156-3(2003). 19. DIN 50049-3.1B., 20.DIN 10088(2001) W.NR1.4404(chemistry only).

Remark: 1. SOLUTION ANNEALING TEMPERATURE AND TIME : 1900°F x30 MIN/INCH,WATER COOLED. 2. MATERIAL FREE FROM CONTINUOUS CARBIDE NETWORK. 3. MACRO/MICRO STRUCTURE : GOOD. 4. CORROSION TEST : PASSED PER ASTM A262 PRACTICE F. 5. MATERIAL FREE FROM KNOWN CONTACT WITH MERCURY & RADIUM. 6. MATERIAL FREE FROM WELDS OR WELD REPAIRS. 7. MELTING PROCESS : EAF+LHF+VD. 8. HOT WORKING PROCESS : Φ ≥ 90mm FOR FORGED ; Φ < 90mm FOR ROLLED. 9. NO PRODUCT THAT CONTAIN OR WERE MADE WITH CDC'S. 10. ASTM E112-88..



Mars Wang QA SECTION Mars Wang

Our quality and environment management system have been certified by ISO9001 (MS and 14001EMS). We hereby certify that the material described herein has been manufactured and tested with satisfactory result in accordance with the requirement of the above material specification. We hereby Inspection Certificate comply with EN10204 3.1.D.