



GLORIA MATERIAL TECHNOLOGY CORP. INSPECTION CERTIFICATE



Messrs: A.S.A ALLOYS INC.
 Order No.: 2017005434-2
 File No.: 2017004523-A
 Grade: 316
 Size: 8-1/2"
 Heat-Lot No.: 8SH0106-10
 Condition: HF-Solution Annealed-Peeled

P.O.No.: P041681
 Date: 04/06/2020
 Weight: 3544KG 7813.17LB
 P'cs: 2

Chemical Composition (wt%)							
	C	Si	Mn	P	S	Ni	Cr
Min.						10.0	16.0
Max.	0.03	1.00	2.00	0.045	0.03	14.0	18.0
Result	0.01	0.50	1.60	0.038	0.02	10.2	16.1
	Mo	N					
Min.	2.0						
Max.	3.0	0.10					
Result	2.3	0.04					

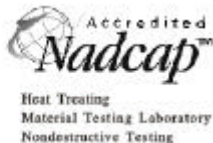
Mechanical Properties Spec.

	Hardness	Grain Size
		ASTM E112
	1/2R	T
Spec.Min.		
Spec.Max.	217HBW	
Result	141HBW	4
	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	1/2R L	1/2R L	1/2R L
	(Ave)	(Ave)	(Ave)	(Ave)
Unit	%	KSI	KSI	%
Min.	30	75	30	40
Max.				
Result	62	77.5	32.9	79

Specification:



Kevin Wen
Quality Manager
<i>Kevin Wen</i>

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.



台灣台南市新營區新中路35號 / NO.35, HSIN CHUNG RD., HSIN YING, TAINAN, TAIWAN

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<http://www.gmtc.com.tw>

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1.ASA-MS-2 REV.E

2.NACE MR0175-09

Remark:

1.MELTING PROCESS : EAF+AOD OR EAF+LHF+VOD.

2.SOLUTION TREATMENT : 1040 DEGREE C MINIMUM, 30 MINUTE MINIMUM, WATER COOLED.

3.ULTRASONIC TEST PER API 6A:OK.

4.ALL MATERIAL IS FREE FROM MERCURY CONTAMINATION.

5.ALL MATERIAL IS FREE FROM RESIDUAL RADIOACTIVITY.

6.NO WELD REPAIR DONE.

7.MATERIAL IS NOT IN COMPLIANCE WITH FAR BAA,DFARS BAA,AND FAR TAA.

8.WE HEREBY CERTIFY THAT OUR SUPPLIED MATERIAL IS COMPLIED WITH DGR 97/23/EC AND AD2000-WO/TRD 100 RESPECTIVELY.

9.The material meets 316/316L.

10.THE MATERIAL PROPERTIES MEET ASTM A479/A479M.



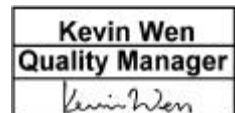
AS 9100
Aerospace



ISO 9001
Quality



Heat Treating
Material Testing Laboratory
Nondestructive Testing



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