

SN 6334 2 FOUE 80/XS



GLORIA MATERIAL TECHNOLOGY CORP.
INSPECTION CERTIFICATE



Messrs: Ryerson Canada Inc.
Order No.: 2020005865-14
File No.: 2021001958-A
Grade: 316/316L
Size: 4"
Heat-Lot No.: SL1633-70X
Condition: HF-Solution Annealed-Ground

P.O.No.: 4501051013
Date: C7/16/2021
Weight: 202KG 445.33LB
P'cs: 1

Chemical Composition (wt%)

	C	Si	Mn	P	S	Ni	Cr
Min.						10.00	16.00
Max.	0.030	1.00	2.00	0.045	0.030	14.00	18.00
Result	0.012	0.32	1.61	0.029	0.023	10.20	16.18

	Mo	Ni+2Mo	PREN
Min.	2.00	14	23
Max.	3.00	20	28
Result	2.10	14	24

Mechanical Properties Spec.

	Hardness	Grain Size
		ASTM E112
	1/2E	T
Spec. Min.		3
Spec. Max.	237HBW	
Result	156HBW	7

	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)
	Solution	Solution	Solution	Solution
	1/2R L	1/2R L	1/2R L	1/2R L
	(Ave)	(Ave)	(Ave)	(Ave)
Unit	%	PSI	PSI	%
Min.	40	75000	30000	50
Max.		150000		
Result	58	85500	39900	76

REDUCTION RATIO: Min 5:0:1



Kevin Wen
Quality Manager

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Our quality and environment management systems have been certified by AS9100, ISO9001 QMS, ISO14001 EMS, OHSAS18001 OHS&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>

Provided by CPA

www.flowconditioner.com, info@cpacli.ca



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File No.: 2021001958-A
Grade: 316/316L
Size: 4"
Heat-Lot No.: SL1633-70X
Condition: HF Solution Annealed Ground

P.O.No.: 4501051013
Date: 07/16/2021
Weight: 202KG 445.33LB
P'cs: 1

ACTUAL REDUCTION RATIO: 10.8:1

Specification:

1. RY316SA REV.4
2. NACE MRO176/ ISO 15156(EXCEPT H2S TEST AND SURFACE HARDNESS)

Remark:

1. MELTING PROCESS : EAF-LHF+VOD OR EAF+AOD
2. PASSED INTERGRANULAR CORROSION TEST PER ASTM A262 PRACTICE E.
3. ULTRASONIC TESTED CONFORM TO API6A.
4. MATERIAL IS MERCURY FREE.
5. NO WELDING OR WELD REPAIR STATEMENT.
6. SOLUTION ANNEALING WITH CONDITION A OF ASTM A479. (1040 DEGREE C MINIMUM AND WATER QUENCHED.)
7. FINISHED CONDITION TO BE REPORT.
8. SOLUTION TREATMENT AT 1040 DEGREE C(1900 DEGREE F) MINIMUM AND LIQUID QUENCHED.



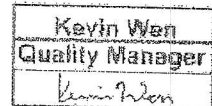
AS 9100
Aerospace
Quality



ISO 9001
Quality



Heat Treating
Material Testing Laboratory
Nondestructive Testing



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