



One Centre Street P.O. Box 1000
Welland, Ontario, Canada. L3B5R7
Phone: 905-736-6661 Fax: 905-736-7282
www.atlassteels.com

72360

Report Number: 2914691

Certified on Aug 15, 2002 Page 1 of 1

Slater Order I.D. 16069 010		Order Date 6/11/02		Commodity Code		Melt Date 1/25/02		Weight		
Dim 1 6.2500	Dim 2 .0000	Dim 3 .0000	Heat I.D. 72360	Customer I.D. 002320	Customer Purchase Order P001293					
Product Shape Rounds			Product Surface HR & Rough Turned				Customer Grade 316/316L			
Length (Inches) 192.000 Min. 240.000 Max.										

Ship To
ASA ALLOYS - EDMONTON
4311 92nd AVENUE
EDMONTON, AB T6B 3M7

Sold To
ASA ALLOYS - EDMONTON
4311 92ND STREET
EDMONTON, AB T6B 3M7

Lifts: 0047
ASA SPEC 04/97
MILS 7720A AM 2
QQS 763F
ASMESA182 98ED ChemOnly2000AD
ASME SA479-98
AMS 5648J

CONDITION A
NACE MRO175-01
ASTMA 182-01 Chem Only
ASTM A479-00
ASTM A193-00 B8M CL 1
AMS 5653E

MIL-S-7720A Amend 2 (302 ONLY)
PWA LCS APPROVED
ASTMA 484-00
ASTM E112-96
ASTM A320-00A B8C CL 1
ASTM A276-00A

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.013	1.66	.025	.024	.56	16.24	10.10	2.02	.37	.166	.069

HB
140

TENSILE PROPERTIES

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
77500	35800	57.5	78.9

GRAIN SIZE ASTM E112
GRAIN SIZE
3
ASTM A 262 PRAC E(A Utilized)
OXALIC
OK

Corrosion tested to A262 Practice E - satisfactory
Solution Anneal 1900 deg.F. - Water quench
Micro structure - satisfactory
Macro etch - satisfactory
No repair welding was performed.
Material contains no metallic mercury or mercury compounds.
Grain size per ASTM E112-96
Chemical testing performed to one or several of the following ASTM methods: E415, E572, E1019, E1085, E1086.
Material has been controlled to P&WA 300 and LCS to Man. Sec F17 P&WA. Heat Code: AQ-DUU
Material conforms to listed specifications.
Quality system is registered to ISO 9002.

Results relate only to the items tested. Certification shall not be reproduced except in full, without the written approval of Slater Corporation. Consult material safety data sheet (MSDS) for hazard info.
We hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services
R. Walter
R. Walter

15 7717

Manufactured in accordance with N.A.F.T.A.