

# SS-T6-S-083 - 20



## Sandvik Materials Technology Canada Tube Production Unit

425 McCartney Street  
Arnprior, Ontario, Canada K7S 3P3  
(613) 623-6501 Fax:(613) 623-7243

06/03/15 9:24:07  
Page - 1

### Certified Material Test Report

Customer

SANDVIK MATERIALS TECH. NAFTA  
982 GRIFFIN POND ROAD  
CLARKS SUMMIT, PA 18411  
US

Ship To

EDMONTON VALVE FITTINGS  
4503 93RD STREET NW  
EDMONTON, AL T6E 5S9  
CANADA

Sales Order

20765

Item Number

22088

Customer Order and Item

00043492 1

Specifications

ASTM A213-13/A269-13/A511-12 ASME SA213-13 ED EAW  
SWINST316-R25 NACE MR0175

Tag

EDMONTON VALVE & FITTING INC X88059  
EDMONTON ABT6E 5S9  
PRODUCT ID : D2PAO0063  
Location N

Material

TP316/TP316L MT316/MT316L  
Seamless Stainless Steel Tubing  
3/8" Avg OD X .083" Avg Wall  
9.53 mm Avg OD X 2.11 mm Avg Wall

<u>Work Order/ Heat No</u>	<u>No Of Pieces</u>	<u>Total Length</u>	<u>UOM</u>	<u>Net Total Weight</u>	<u>UOM</u>
382021 541030	137	2,740.00	FT	326.10	KG

Heat Analysis

Heat No	C	Si	Mn	P	S	Cr	Ni	Mo	Co	Cu	N	Ti	Al
541030	.018	.36	1.67	.031	.008	17.35	13.11	2.53	.091	.36	.035	.003	.003
Melt Source: Sandvik, Sweden						Melt Method: Electric Furnace				Melt Process: AOD			

Product Analysis

541030	.021	.37	1.66	.032	.008	17.39	13.15	2.55	.092	.36	.041	.003	.003
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Mechanical Tests

Work Order	ASTM E8 0.2%YS(205MI 30 ksi min. KSI	ASTM E8 ULT. (515 MI 75 ksi min. KSI	ASTM E8 %EL 2" (35MI test	HARDNESS RB 80MAX HRBW
382021	37	81	60	78 78

Additional Tests

ASTM A1016 FLARE - Acceptable  
ASTM A1016 FLATTENING - Acceptable

Positive Material Identification (PMI) - Acceptable.  
Eddy Current Examination - Acceptable  
Visual Surface Condition - Acceptable  
Capability of Passing ASTM A262E  
Seamless, Cold Finished, Bright (Solution) Annealed & Atmospheric Quenched



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06/03/15 9:24:07  
Page - 2

### Certified Material Test Report

SO: 20785  
MO: 00053091

No weld repair has been performed on this material

Material is free from radioactive contamination

Traceability is through Work Order number (marked on tubes)

Country of origin: Canada

This material has not come in contact with mercury or mercury-containing compounds

This certification affirms that the contents of the report are correct and accurate and that all test results and operations performed by Sandvik Materials Technology Canada or our subcontractors are in compliance with the material specification

The material is manufactured according to a quality system, approved and registered to ISO 9001:2008 certificate number GBG0000511 which expires November 30, 2016

Certified Material Test Report acceptable to EN 10204 3.1

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This certificate is produced electronically and is valid without signature

Quality Assurance: Danasekaran Subban Chettiar, Quality Assurance Manager  
Clare Kavanagh, Certificate

Revisions 06/03/15