

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

Certified Material Test Report

Customer

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

Ship To

GRANDE PRAIRIE VALVE FITTING
#100, 11025 89 AVENUE
GRAND PRAIRIE, AB T8V 5B9
CANADA

Sales Order

21876

Item Number

16007

Mill Order

00055042

Customer Order and Item

00055124 1

Specifications

ASTM A213-14/A269-14/AS11-12 ASME SA213-15 ED EAW
SWNST316-R27 NACE MR0175

Tag

GRANDE PRAIRIE VALVE & FITTING Y15371
GRAND PRAIRIE ABT8V 5B9
PRODUCT ID : D2PKO0061

Location

Material

TP316/TP316L MT316/MT316L
Seamless Stainless Steel Tubing
1/4" Avg OD X .035" Avg Wall
6.35 mm Avg OD X .89 mm Avg Wall

Work Order/ Heat No	No Of Pieces	Total Length	UOM	Net Total Weight	UOM
386705 543467	275	5,500.00	FT	203.17	KG

Heat Analysis

Heat No	C	Si	Mn	P	S	Cr	Ni	Mo	Co	Cu	N	Ti	Al
543467	.017	.39	1.84	.031	.008	17.30	13.06	2.57	.100	.33	.034	.003	.004
Melt Source: Sandvik, Sweden						Melt Method: Electric Furnace			Melt Process: AOD				

Product Analysis

543467	.018	.41	1.83	.032	.010	17.31	13.07	2.58	.100	.33	.040	.003	.003
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Mechanical Tests

Work Order	ASTM E8 0.2%YS(205MI)	ASTM E8 ULT. (515 MI)	ASTM E8 %EL 2" (35MI)	HARDNESS RB 80MAX
	30 ksi min. KSI	75 ksi min. KSI	test	HRBW
386705	36	81	58	76 76

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



Sandvik Materials Technology Canada Tube Production Unit

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SO: 21876
MO: 00055042

No weld repair has been performed on this material

Material is free from radioactive contamination

Traceability is through Work Order number linemarked 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: Bonnie Hamilton, Quality Assurance Group Leader
Clare Kavanagh, Certificate

Revisions 19/01/16