



Sandvik Materials Technology

Product Area Tube
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200917884

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www.smt.sandvik.com/nafta

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Sold To: 632580
SANDVIK DE MEXICO
TLALNEPANTLA, EDO MEXICO
Customer Order No: 450870
Sandvik Order No: 77949/1
Work Order/Lot: 524967

Ship To:
GAISA FORWARDING INC
LAREDO TX
Certification Date: 20090604

ASTM A312-08a, ASME SA-312, ASTM A376-06, ASME SA-376, ASME Section II
2007 Edition, 2008 Addenda, NACE MR0175 / ISO 15156
First edition 2003-12-15, (Austenitic)

Hot Finished PROCESS ANNEALED AND PICKLED Seamless Pipe
Type TP304/TP304L (UNS S30400/S30403) Size: 1" SCH 40
Heat: 521385

Material Manufacturer: Pennsylvania Extruded Tube Co. USA

ANALYSIS %

Table with 8 columns: Element (C, Si, Mn, P, S, Cr, Ni, Fe, Mo, Al, Pb), Heat, Prod. Values for each element and heat/production.

Mechanical Tests:

Table with 5 main columns: Yield Strength (0.2%, 1.0%), Tensile Strength, Elongation (in %), Reduction of Area. Sub-columns include psi, MPa, E2", E10", E4d, E5d.

Hardness Test Results: 82HRB, 83HRB

Hydrostatic Test (psi): 2500

Flattening Test per ASTM A999: Acceptable
Tensile Test sample width (1=Full-Size 2=1/2" Strip): 1
Corrosion Test per ASTM A262 Pr.E: Acceptable
Country Of Origin: United States
This Material complies with FAR BAA (FAR 52.225-1)
This Material complies with DFARS BAA (DFARS 252.225-7001)
and FAR TAA(FAR 52.225-5)

All material subjected to a final solution annealing heat treatment with material at a temperature of 1900 deg. F minimum followed by rapid quenching.

The material has not come in contact with Mercury or Mercury containing compounds.

No welding has been performed on this material.

Material has been manufactured/supplied in accordance with Sandvik Materials Technology Quality Manual-Standard Products Revision 10 dated May 29, 2007. Quality system has been approved to ISO 9001:2000.

Certificate produced in accordance with EN 10204 3.1 (formerly EN 10204 3.1.B)

Melt Source: AB Sandvik MT, Sweden

Melt Method: Electric Arc Furnace-AOD Refining

This is to certify that the contents of this certificate are correct and accurate as contained in Sandvik's records

Stamp: CONTROL DE CALIDAD, EN 10204 3.1, SANDVIK Y CIA S.A. DE C.V., FECHA: 21 Fec 2010, CÉ0001634, FIRMA: Enrique Ruiz

and that all above test results and operations performed are in compliance with the requirements of the purchase order and the specification(s) listed above.

Electronically Generated Certificate-Valid without signature
Audrey Kakareka, Quality Engr.
10 (STKA312/376 R28) (32) (US36543)