



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

BRAUN INTERTEC CORPORATION
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NONDESTRUCTIVE

Valid To: March 31, 2020

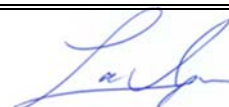
Certificate Number: 3940.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following testing on Raw Material, Castings, Welding, Soldering and Brazing:

I. Nondestructive Testing

Test:	Test Method(s):
Visual Inspection (VT)	Internal Braun Procedure 10.9; AWS D1.1/D1.1M (Clause 6 & Clause 9 Part F), D1.2/D1.2M (Clause 5), D1.4/D1.4M (Clause 7), D1.5/D1.5M (Clause 6), D1.6/D1.6M (Clause 6), D1.9/D1.9M (Clause 5), D14.1/D14.1M (Clause 10), D17.1/D17.1M (Clause 7); API 1104 (Section 9 and 11), API 16A (Section 7); ASME I, V (Article 9), VIII, IX, B31.1 (Chapter VI), B31.3 (Chapter VI), B31.4 (Chapter VI), B31.5 (Chapter VI), B31.8 (Chapter VI) B31.9 (Chapter VI), B16.34 (Appendix III), NOG; AMS 2175 (Section 3); AWWA C206 (Section V)
Liquid Penetrant Inspection (PT) (Water Washable, Fluorescent and Visible, Solvent Removable, Fluorescent and Visible) (Single use Spray Cans)	ASTM E165/E165M, E1209, E1210, E1220, E1417/E1417M; API 1104 (Section 9 and 11), API 16A (Section 7); ASME I, V (Article 6), VIII (Appendix 8), B31.1 (Chapter VI), B31.3 (Chapter VI), B31.4 (Chapter VI), B31.8 (Chapter VI), B16.34 (Appendix III), NOG; AWS D1.1/D1.1M (Clause 6 & Clause 9 Part F), D1.2/D1.2M (Clause 5), D1.4/D1.4M (Clause 7), D1.5/D1.5M (Clause 6), D1.6/D1.6M (Clause 6), D1.9/D1.9M (Clause 5), D14.1/D14.1M (Clause 10), D17.1/D17.1M (Clause 7); ISO 15614-1; NAVSEA T9074-AS-GIB 010/271 (Chapter 5); API 650 (Chapter 8), 1104 (Chapter 9 &11); MIL-STD 2035 (Chapter 7), MIL-STD 25135E; AMS 2175 (Section 3)

Test:	Test Method(s):
Positive Material Identification	ASTM E572, E1476; API RP 578
Magnetic Particle Inspection (MT) (Fluorescent and Visible, Yoke (AC and DC) Wet Fluorescent and Dry or Wet Visible) (Single use Spray Cans)	ASTM A275, E709, E1444/E1444M; ASME I, V (Article 7), VIII (Appendix 6), B31.1 (Chapter VI), B31.3 (Chapter VI), B31.4 (Chapter VI), B31.8 (Chapter VI), B16.34 (Appendix II), NOG; AWS D1.1/D1.1M (Clause 6 & Clause 9 Part F), D1.4/D1.4M (Clause 7), D1.5/D1.5M (Clause 6), D14.1/D14.1M (Clause 10), D17.1/D17.1M (Clause 7); NAVSEA T9074-AS-GIB-010/271 (Chapter 4); ISO 15614-1; API 650 (Chapter 8), 1104 (Chapter 9 & 11), API 16A (Section 7); MIL-STD 2035 (Chapter 6); AMS 2175 (Section 3); AWWA C206 (Section V)
Ultrasonic Inspection (UT) (Contact Straight and Angle Beam, Immersion Phased Array) (Thickness Gauge)	ASTM A388/A388M, A435/A435M, A609/A609M, A898/A898M, E114, E164, E317, E797/E797M, E2700; ASME I, III, V (Article 4), VIII (Appendix 6), IX, B31.1 (Chapter VI), B31.3 (Chapter VI), B31.4 (Chapter VI), B31.8 (Chapter VI), B16.34 (Appendix IV); AWS D1.1/D1.1M (Clause 6 & Clause 9 Part F), D1.2/D1.2M (Clause 5), D1.4/D1.4M (Clause 7), D1.5/D1.5M (Clause 6), D1.6/D1.6M (Clause 6), D1.9/D1.9M (Clause 5), D14.1/D14.1M (Clause 10), D17.1/D17.1M (Clause 7); MIL-STD 2035A (Chapter 8); NAVSEA T9074-AS-GIB-010/271 (Section 6) ISO 15614-1; API 650 (Chapter 8), 1104 (Chapter 9 & 11), API 16A (Section 7); MIL-STD 2035 (Chapter 8); AMS 2154; AWWA D100 (Section 11)
Radiographic Inspection (RT) (Digital and Film, X-ray Source)	ASTM E94, E142, E1032; AWS B2.1/B2.1M, D1.1/D1.1M (Clause 6 & Clause 9 Part F), D1.2/D1.2M (Clause 5), D1.4/D1.4M (Clause 7), D1.5/D1.5M (Clause 6), D1.6/D1.6M (Clause 6), D1.9/D1.9M (Clause 5), D14.1/D14.1M (Clause 10), D17.1/D17.1M (Clause 7); ASME I, III, V (Article 2), VIII (Appendix 6), IX, B31.1 (Chapter VI), B31.3 (Chapter VI), B31.4 (Chapter VI), B31.8 (Chapter VI), B16.34 (Appendix I); API 650 (Chapter 8),



Continued: Radiographic Inspection (RT) (Digital and Film, X-ray Source)	API 650 1104 (Chapter 9 & 11), API 16A (Section 7); ISO 1435, 15614-1; NAVSEA T9074-AS-GIB 010/271 (Chapter 3); MIL-STD 2035 (Chapter 5); AMS 2175 (Section 3); AWWA D100 (Section 11)
Welding Qualification Bend Testing	ASME BPVC.IX; AWS D1.1/D1.1M (Clause 4), D1.5 (Clause 5)

II. Mechanical Testing

Test:	Test Method(s):
Portable Hardness Testing	ASTM A370, A956, E10
Tension Test	ASTM A370
Charpy Impact Testing	ASTM A370
Performance of Permanent Metal Railing Systems and Rail for Buildings	ASTM E935



Accredited Laboratory

A2LA has accredited

BRAUN INTERTEC CORPORATION

Bloomington, MN

for technical competence in the field of

Nondestructive Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 27th day of February 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3940.03
Valid to March 31, 2020

For the tests to which this accreditation applies, please refer to the laboratory's Nondestructive Scope of Accreditation.