



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CHICAGO SPECTRO SERVICE LABORATORY, INC.
6245 South Oak Park Avenue
Chicago, IL 60638
Michael Landow Phone: 773 229 0099
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CHEMICAL¹

Valid To: April 30, 2021

Certificate Number: 0781.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to the laboratory at the location listed above as well as the satellite laboratory location listed below to perform the following types of tests on fasteners and metals:

Test

Test Method(s)

Spectroscopy

X-Ray Fluorescence

Wavelength Dispersive X-Ray
Steel Analysis by XRF

ASTM E1621
ASTM E1085

Atomic Absorption

ASTM E1184

Optical Emission Spectroscopy (OES)

Al Alloys

(Bi, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Si, Sn, Ti, Zn)

ASTM E1251

Zinc Alloys

(Al, Cd, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Si, Sn)

CSSL 10.8.2(13) [Modified ASTM E227]

Low Alloy Steel

(Al, B, C, Cr, Cu, Mo, Mn, Nb, Ni, P, S, Si, Ti, V)

ASTM E415

Stainless Steel

(Al, B, C, Cr, Cu, Mo, Mn, Nb, Ni, P, S, Si, Ti, V)

ASTM E1086

Combustion by LECO (C, S)

ASTM E1019

Wet Chemistry Measurements

Volumetric

Tin in Solders

CSSL Procedure 10.4.11

Test

Test Method(s)

Wet Chemistry Measurements (cont'd)

Gravimetric

Density (Powder Metal)
Electrolytic Copper
Tin Coating Weight
Zinc Coating Weight

ASTM B328
ASTM E478 (Sections 9-17)
ASTM B545, B659
ASTM A90, B659, B767

Mechanical Testing

Bend Test for Ductility of Welds

ASTM E190

Hardness

Rockwell B, C
Superficial 15T, 30T, 45T
Superficial 15N, 30N, 45N

ASTM E18
ASTM E18
ASTM E18, F606/F606M

Tensile – Metals (TS, YS, EL, R of A)

ASTM A370, B557, E8/E8M
F606/F606M

¹This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory listed below.

WELDBEND CORPORATION
6600 S. Harlem Ave.
Argo/Summit, IL 60501-1930
Michael Landow Phone: 773 229 0099
mike@chicagospectro.com

Test

Test Method(s)

OES

Low Alloy Steel
(Al, C, Cr, Cu, Mo, Mn, Nb, Ni, P, S, Si, Ti, V)

ASTM E415

Tensile – Metals (TS, YS, EL, R of A)

ASTM A370, E8/E8M

Hardness

Rockwell B, C
Brinell
Vickers HV10

ASTM E18
ASTM E10
ASTM E384

Charpy V Notch (room temperature to -100°F)

ASTM E23, A370





Accredited Laboratory

A2LA has accredited

CHICAGO SPECTRO SERVICE LABORATORY, INC.

Chicago, IL

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 30th day of April 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0781.01
Valid to April 30, 2021

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