



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LECO TECHNICAL SERVICES LABORATORY
3000 Lakeview Avenue
St. Joseph, MI 49085
Dennis Lawrenz Phone: 269 982 2277

CHEMICAL

Valid To: May 31, 2020

Certificate Number: 3285.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests for the production of reference materials:

<u>TEST</u>	<u>TEST METHODS</u>
Ash Fusion (Melting Point)	TSL-C008 ¹ , ASTM D1857
Combustion (Carbon, Hydrogen and Nitrogen)	ASTM D5291, ASTM D5373; AOAC 990.03, AOAC 992.23; TSL-C001 ¹ , TSL-C002 ¹ , TSL-C003 ¹ , TSL-C005 ¹ , TSL-C007 ¹ , TSL-C009 ¹
Combustion (Carbon and Sulfur)	ASTM E1019, ASTM D1552, ASTM E1569, ASTM E1587, ASTM D1619, ASTM E1915, ASTM E1941, ASTM D4239, ASTM D5016; TSL-A001 ¹ , TSL-A003 ¹ , TSL-A004 ¹ , TSL-A005 ¹ , TSL-A006 ¹ , TSL-A007 ¹ , TSL-A008 ¹ , TSL-B003 ¹ , TSL-B004 ¹ , TSL-B005 ¹ , TSL-C002 ¹ , TSL-C003 ¹ , TSL-C004 ¹ , TSL-C005 ¹ , TSL-C006 ¹ , TSL-C007 ¹
Gross Calorific Value	ASTM D240, ASTM D4809, ASTM D5468, ASTM D5865; TSL-C002 ¹ , TSL-C003 ¹ , TSL-C007 ¹
Inert Gas Fusion (Oxygen, Nitrogen and Hydrogen)	ASTM E1019, ASTM E1409, ASTM E1447, ASTM E2575; TSL-A001 ¹ , TSL-A002 ¹ , TSL-A003 ¹ , TSL-A004 ¹ , TSL-A006 ¹ , TSL-B001 ¹ , TSL-B002 ¹ , TSL-B006 ¹
Manual Volatile Matter	ASTM D3175; TSL-C002 ¹
Thermogravimetric (Moisture, Volatile, Ash and LOI)	ASTM D7348, ASTM D7582; TSL-C002 ¹ , TSL-C004 ¹ , TSL-C005 ¹ , TSL-C007 ¹

¹ In-house test procedures



Accredited Laboratory

A2LA has accredited

LECO TECHNICAL SERVICES LABORATORY

St. Joseph, MI

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 laboratory also meets the requirements of any additional program requirements in the Chemical field. 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 5th day of September 2018.

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

President and CEO
For the Accreditation Council
Certificate Number 3285.01
Valid to May 31, 2020

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