



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MIDWEST LABORATORIES, INC.
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 Omaha, NE 68144
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CHEMICAL

Valid To: August 31, 2017

Certificate Number: 2853.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on foods (human, pet, and animal):

| <u>Test</u> | <u>Technology</u> | <u>Method Reference</u> |
|--|-------------------|-------------------------|
| Metals and Minerals in Foods (Ca, Mg, Fe, K, Na) ^{1,6} | ICP – AES | ME 027, 077 |
| Metals and Minerals in Feed / Animal Foods (Ca, P, Mg, Fe, Na, S, K, Mn, Cu, Zn) ¹ | ICP – AES | ME 029, 069 |
| Minerals in Feed/Animal Foods (As, Sb, Cd, Pb, Se) ¹ | ICP – AES | ME 013, 042 |
| Metals in Premixes (Se) ¹ | ICP – AES | ME 077, 042 |
| Minerals in Foods (As, Pb, Cd) ^{4,6} | ICP – MS | ME 080, 081 |
| Total Iodine ⁶ | ICP – MS | ME 082 |
| Mercury (Hg) ¹ | CVAA | ME 037, 067 |
| Mycotoxins (Aflatoxin B1, B2, G1, G2, Zearalenone, T2, Ochratoxin, DON, Fumonisin B1, B2, B3) ² | LC/MS/MS | LC/MS 020 |
| Melamine, Cyanuric Acid, Ammeline, Ammelide ² | LC/MS/MS | LC/MS 018 |

| <u>Test</u> | <u>Technology</u> | <u>Method Reference</u> |
|--|-------------------|-------------------------|
| Fatty Acid Profile (Saturated, Polyunsaturated, Mono-unsaturated) ^{2,3} | GC – FAMES | HPLC 004, 008 |
| Vitamin A ^{2,3} | HPLC | HPLC 011 |
| Vitamin C ^{2,3} | HPLC | HPLC 010 |
| Vitamin B1 (Thiamine) ^{2,3} | HPLC | HPLC 022 |
| Water Soluble Vitamins (Vitamin B2 (Riboflavin), Pantothenic acid, Vitamin B6 (Pyridoxine), Biotin, Folic acid, Vitamin B12, Niacin, Nicotinamide, and Nicotinic acid) ^{2,3} | LC/MS/MS | HPLC 035 |
| Fat Soluble Vitamins (Vitamin D3 and E) ^{2,3} | LC/MS/MS | HPLC 034 |
| Amino Acid Profile (Cystine and Methionine) ^{2,3} | HPLC – PCD | HPLC 019 |
| Total Amino Acid Profile (Threonine, Serine, Glutamic Acid, Proline, Glycine, Alanine, Valine, Isoleucine, Leucine, Tyrosine, Phenylalanine, Lysine, Histidine, and Arginine) ^{2,3} | LC/MS/MS | HPLC 048 |
| Tryptophan ^{2,3} | LC/MS | HPLC 025 |
| Taurine | LC/MS/MS | HPLC 049 |
| Glycoalkaloids in Potato Products ² | LC/MS/MS | HPLC 044 |
| Sugar Profile (Glucose, Fructose Sucrose, Maltose, Lactose) ^{2,3} | HPLC-RI | HPLC 009 |
| Crude Fiber ⁴ | Gravimetric | FD 039 |
| Fiber (Acid Detergent) ⁴ | Gravimetric | FD 021 |
| Fiber (Neutral Detergent) ⁴ | Gravimetric | FD 022 |
| Fat (Ether Extraction) ⁴ | Gravimetric | FD 026 |
| Fat (Acid Hydrolysis) ⁴ | Gravimetric | FD 027 |



| <u>Test</u> | <u>Technology</u> | <u>Method Reference</u> |
|--|-------------------------------|-------------------------|
| Moisture Determination in Feeds ⁴ | Gravimetric | FD 016 |
| Ash Determination in Feeds ⁴ | Gravimetric | FD 019 |
| Protein (Crude) ^{2,5} | Combustion | FO 014 |
| Protein (Crude) in Feeds/Animal Foods ⁴ | Combustion | FD 070 |
| Chloride ⁴ | Titration | FD 010 |
| Ash Determination in Foods ⁵ | Gravimetric | FO 022 |
| Total Starch ⁵ | Glucometer | WC 047 |
| Fat (Petroleum Ether Extraction) ⁵ | Gravimetric | FO 007 |
| Fat (Acid Hydrolysis) ⁵ | Gravimetric | FO 008 |
| Fat (Base Hydrolysis) ⁵ | Gravimetric | FO 009 |
| Moisture in Meat ⁵ | Gravimetric – Convection Oven | FO 001 |
| Moisture ⁵ | Gravimetric – Vacuum Oven | FO 002 |
| Total, Soluble, and Insoluble Dietary Fiber ⁵ | Gravimetric | FO 027 |
| Salt – Volhard Method ⁵ | Titration | FO 026 |
| Allergens ⁵ | ELISA | FO 064 |
| Genetically Modified Organisms (GMO) ⁵ | Digital Droplet PCR | FO 065 |
| Meat Speciation ⁵ | Digital Droplet PCR | FO 073 |

¹ Tests performed at Main Building: 13611 B St., Omaha, NE 68144

² Tests performed at Grand 7 Building: 13606 C St., Omaha, NE 68144

³ Tests performed at C Building: 13626 C St., Omaha, NE 68144

⁴ Tests performed at PoDeBo Building: 13516 C St., Omaha, NE 68144

⁵ Tests performed at AmBr Building: 13535 C St., Omaha, NE 68144

⁶ Tests performed at DEB Building: 13606 B St., Omaha, NE 68144





Accredited Laboratory

A2LA has accredited

MIDWEST LABORATORIES, INC.

Omaha, NE

for technical competence in the field of

Chemical 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 8 January 2009).



Presented this 26th day of October 2015.

A handwritten signature in black ink, appearing to read "L. S. S.", positioned above a horizontal line.

President & CEO
For the Accreditation Council
Certificate Number 2853.02
Valid to August 31, 2017
Revised November 21, 2016

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