



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MIDWEST LABORATORIES, INC.  
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CHEMICAL

Valid To: August 31, 2019

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(s)</u>	<u>Technology</u>	<u>Test Method</u>
Allergens <sup>5</sup>	ELISA	FO 064
Amino Acid Profile (Cysteine and Methionine) <sup>2,3</sup>	HPLC-PCD	HPLC 019
Ash Determination in Feeds <sup>4</sup>	Gravimetric	FD 019
Ash Determination in Foods <sup>5</sup>	Gravimetric	FO 022
Chloride <sup>4</sup>	Titration	FD 010
Crude Fiber <sup>4</sup>	Gravimetric	FD 039
Fat (Acid Hydrolysis) <sup>4</sup>	Gravimetric	FD 027
Fat (Acid Hydrolysis) <sup>5</sup>	Gravimetric	FO 008
Fat (Base Hydrolysis) <sup>5</sup>	Gravimetric	FO 009
Fat (Ether Extraction) <sup>4</sup>	Gravimetric	FD 026
Fat (Petroleum Ether Extraction) <sup>5</sup>	Gravimetric	FO 007
Fat Soluble Vitamins (Vitamin D3 and E) <sup>2,3</sup>	LC/MS/MS	HPLC 034
Fatty Acid Profile (Saturated, Polyunsaturated, Mono-unsaturated) <sup>2,3</sup>	GC-FAMES	HPLC 004, 008

<b><u>Test(s)</u></b>	<b><u>Technology</u></b>	<b><u>Test Method</u></b>
Fiber (Acid Detergent) <sup>4</sup>	Gravimetric	FD 021
Fiber (Neutral Detergent) <sup>4</sup>	Gravimetric	FD 022
Genetically Modified Organisms (GMO) <sup>5</sup>	Digital Droplet PCR	FO 065
Glycoalkaloids in Potato Products <sup>2</sup>	LC/MS/MS	HPLC 044
Lysine <sup>2,3</sup>	HPLC-PCD	HPLC 024
Meat Speciation <sup>5</sup>	Digital Droplet PCR	FO 073
Melamine, Cyanuric Acid, Ammeline, Ammelide <sup>2</sup>	LC/MS/MS	LC/MS 018
Mercury (Hg) <sup>1</sup>	CVAA	ME 037, 067
Metals and Minerals in Feed/Animal Foods (Ca, P, Mg, Fe, Na, S, K, Mn, Cu, Zn) <sup>1</sup>	ICP-AES	ME 029, 069
Metals and Minerals in Foods (Ca, Mg, Fe, K, Na) <sup>1,6</sup>	ICP-AES	ME 027, 077
Metals in Feed/Animal Foods (As, Sb, Cd, Pb, Se) <sup>1</sup>	ICP-AES	ME 013, 042
Metals in Foods (As, Pb, Cd, Hg) <sup>6</sup>	ICP-MS	ME 080, 081
Metals in Premixes (Se) <sup>1</sup>	ICP-AES	ME 077, 042
Moisture <sup>5</sup>	Gravimetric-Vacuum Oven	FO 002
Moisture Determination in Feeds <sup>4</sup>	Gravimetric	FD 016
Moisture in Meat <sup>5</sup>	Gravimetric-Convection Oven	FO 001
Mycotoxins (Aflatoxin B1, B2, G1, G2, Zearalenone, T2, Ochratoxin, DON, Fumonisin B1, B2, B3) <sup>2</sup>	LC/MS/MS	LC/MS 020
Patulin <sup>2</sup>	LC/MS/MS	LC/MS 022
Pesticides <sup>2</sup>	GC/MS/MS	LCMS 021
Protein (Crude) <sup>4</sup>	Combustion	FO 014



<b><u>Test(s)</u></b>	<b><u>Technology</u></b>	<b><u>Test Method</u></b>
Protein (Crude) in Feeds/Animal Foods <sup>4</sup>	Combustion	FD 070
Salt-Volhard Method <sup>5</sup>	Titration	FO 026
Sugar Profile (Glucose, Fructose, Sucrose, Maltose, Lactose) <sup>2,3</sup>	HPLC-RI	HPLC 009
Taurine	LC/MS/MS	HPLC 049
Total Amino Acid Profile (Serine, Glutamic Acid, Proline, Glycine, Alanine, Valine, Isoleucine, Leucine, Tyrosine, Phenylalanine, Lysine, Histidine, Arginine) <sup>2,3</sup>	LC/MS/MS	HPLC 048
Total Iodine <sup>6</sup>	ICP-MS	ME 082
Total Starch <sup>4</sup>	Glucometer	WC 047
Total, Soluble, and Insoluble Dietary Fiber <sup>5</sup>	Gravimetric	FO 027
Tryptophan <sup>2,3</sup>	LC/MS/MS	HPLC 025
Vitamin A <sup>2,3</sup>	HPLC	HPLC 011
Vitamin B1 (Thiamine) <sup>2,3</sup>	HPLC	HPLC 022
Vitamin C <sup>2,3</sup>	HPLC	HPLC 010
Water Soluble Vitamins (Vitamin B2 (Riboflavin), Pantothenic Acid, Vitamin B6 (Pyridoxine), Biotin, Folic Acid, Vitamin B12, Niacin, Nicotinamide, Nicotinic Acid) <sup>2,3</sup>	LC/MS/MS	HPLC 035

<sup>1</sup> Tests performed at Main Building: 13611 B St., Omaha, NE 68144

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

<sup>3</sup> Tests performed at C Building: 13626 C St., Omaha, NE 68144

<sup>4</sup> Tests performed at PoDeBo Building: 13516 C St., Omaha, NE 68144

<sup>5</sup> Tests performed at AmBr Building: 13535 C St., Omaha, NE 68144

<sup>6</sup> 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 26<sup>th</sup> day of September 2017.

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

President and CEO  
For the Accreditation Council  
Certificate Number 2853.02  
Valid to August 31, 2019  
Revised October 17, 2017

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