



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MIDWEST LABORATORIES, INC.
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CHEMICAL

Valid To: August 31, 2022

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 ⁵	ELISA	FO 064
Amino Acid Profile (Cysteine and Methionine) ^{2,3}	HPLC-PCD	HPLC 019
Antibiotics ²	LC/MS/MS	LCMS 011
Ash Determination in Feeds ⁴	Gravimetric	FD 019
Ash Determination in Foods ⁵	Gravimetric	FO 022
Chloride ⁴	Titration	FD 010
Crude Fiber ⁴	Gravimetric	FD 039
Fat (Acid Hydrolysis) ⁴	Gravimetric	FD 027
Fat (Acid Hydrolysis) ⁵	Gravimetric	FO 008
Fat (Base Hydrolysis) ⁵	Gravimetric	FO 009
Fat (Ether Extraction) ⁴	Gravimetric	FD 026
Fat (Petroleum Ether Extraction) ⁵	Gravimetric	FO 007
Fat Soluble Vitamins (Vitamin D3 and E) ^{2,3}	LC/MS/MS	HPLC 034

<u>Test(s)</u>	<u>Technology</u>	<u>Test Method</u>
Fatty Acid Profile (Saturated, Polyunsaturated, and Mono-unsaturated) ^{2,3}	GC-FAMES	HPLC 004, 008
Fiber (Acid Detergent) ⁴	Gravimetric	FD 021
Fiber (Neutral Detergent) ⁴	Gravimetric	FD 022
Genetically Modified Organisms (GMO) ⁵	Digital Droplet PCR	FO 065
Glycoalkaloids in Potato Products ²	LC/MS/MS	HPLC 044
Glyphosate and Metabolites ²	LC/MS/MS	LCMS 028053
HPLC-UV – Cannabinoid Potency in Plant, Oil, and Edible Materials ^{2,7}	HPLC-UV	HPLC 059
Lysine ^{2,3}	LC/MS/MS	HPLC 024
Meat Speciation ⁵	Digital Droplet PCR	FO 073
Melamine, Cyanuric Acid, Ammeline, and Ammelide ²	LC/MS/MS	LC/MS 018
Mercury (Hg) ¹	CVAA	ME 037, 067
Metals and Minerals in Feed/Animal Foods (Ca, P, Mg, Fe, Na, S, K, Mn, Cu, Zn) ¹	ICP-AES	ME 029, 069
Metals and Minerals in Foods (Ca, Mg, Fe, K, Na) ^{1,6}	ICP-AES	ME 027, 077
Metals in Feed/Animal Foods (As, Sb, Cd, Pb, Se) ¹	ICP-AES	ME 013, 042
Metals in Foods (As, Pb, Cd, Hg) ⁶	ICP-MS	ME 080, 081
Metals in Premixes (Se) ¹	ICP-AES	ME 077, 042
Moisture ⁵	Gravimetric-Vacuum Oven	FO 002
Moisture Determination in Feeds ⁴	Gravimetric	FD 016
Moisture in Meat ⁵	Gravimetric-Convection Oven	FO 001

<u>Test(s)</u>	<u>Technology</u>	<u>Test Method</u>
Mycotoxins (Aflatoxin B1, B2, G1, G2, Zearalenone, T2, Ochratoxin, DON, Fumonisin B1, B2, B3) ²	LC/MS/MS	LC/MS 020
Pentobarbital in Pet Food ²	GC/MS/MS	HPLC 053
Pesticides ²	GC/MS/MS	LC/MS 021
Protein (Crude) ⁴	Combustion	FO 014
Protein (Crude) in Feed/Animal Foods ⁴	Combustion	FD 070
Salt-Volhard Method ⁵	Titration	FO 026
Sugar Profile (Glucose, Fructose, Sucrose, Maltose, Lactose) ^{2,3}	HPLC-RI	HPLC 009
Taurine	LC/MS/MS	HPLC 049
Thyroid Hormone in Pet Foods	LC/MS/MS	LCMS 023
Total Amino Acid Profile (Threonine, Serine, Glutamic Acid, Proline, Glycine, Alanine, Valine, Isoleucine, Leucine, Tyrosine, Phenylalanine, Lysine, Histidine, Arginine) ^{2,3}	LC/MS/MS	HPLC 048
Total Iodine ⁶	ICP-MS	ME 082
Total Starch ⁴	Glucometer	WC 047
Total, Soluble, and Insoluble Dietary Fiber ⁵	Gravimetric	FO 027
Tryptophan ^{2,3}	LC/MS/MS	HPLC 025
Vitamin A ^{2,3}	HPLC	HPLC 011
Vitamin B1 (Thiamine) ^{2,3}	HPLC	HPLC 022
Vitamin C ^{2,3}	HPLC	HPLC 010
Vitamin D in Pre-Mixes ^{2,3}	LC/MS/MS	HPLC 058

<u>Test(s)</u>	<u>Technology</u>	<u>Test Method</u>
Water Soluble Vitamins (Vitamin B2 (Riboflavin), Pantothenic Acid, Vitamin B6 (Pyridoxine), Biotin, Folic Acid, Vitamin B12, Niacin, Nicotinamide, Nicotinic Acid) ^{2,3}	LC/MS/MS	HPLC 035

- 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
- ⁷ Tests performed at B Street 2 Building: 13505 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 17025:2017 *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 23rd day of November 2020.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2853.02
Valid to August 31, 2022

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