SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MIDWEST LABORATORIES, INC.
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CHEMICAL

Valid To: September 30, 2026 Certificate Number: 2853.02

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the 2018 "*AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals*"), accreditation is granted to this laboratory to perform the following tests on foods (human, pet, and animal):

Test(s)	**Technology**	**Test Method(s)**
Aflatoxin B1, B2, G1, G2, Deoxynivalenol (DON), Zearalenone, Ochratoxin, T2-Toxin	LC/MS/MS	LCMS 030
Allergens (Gluten, Gliadin, Competitive Gliadin, Almond, Milk, Peanut, Pecan, Walnut, Macadamia, Sesame, Crustacean, Mustard, Egg, Soy, Hazelnut, Coconut, Fish)[5]	ELISA	FO 064
Amino Acid Profile (Cysteine and Methionine) [2,3]	HPLC-PCD-UV	HPLC 019
Ammoniacal Nitrogen in Fertilizers[2]	Titration	WC 015
Antibiotics (Erythromycin, Oxytetracycline, Tetracycline, Chlorotetracycline, Doxycycline, Virginiamycin, Penicillin, and Tylosin)[2]	LC/MS/MS	LCMS 011
Ash Determination in Feeds [4]	Gravimetric	FD 019
Ash Determination in Foods [5]	Gravimetric	FO 022

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Test(s)	Technology	Test Method(s)
Available Phosphorus (Direct) in Fertilizers[2,1]	ICP-AES or Spectrophotometer (depending on level)	WC 089, ME 092
Available Phosphorus (Indirect) in Fertilizers[2,1]	ICP-AES	WC 010, ME 026
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
Fatty Acid Profile (Saturated, Polyunsaturated, and Mono-unsaturated) [2,3]	GC-FID	HPLC 004, 008
Fiber (Acid Detergent) [4]	Gravimetric	FD 021
Fiber (Neutral Detergent) [4]	Gravimetric	FD 022
Fumonisin B1, B2, and B3	LC/MS/MS	LCMS 029
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 028
Lysine [2,3]	LC/MS/MS	HPLC 024
Meat Speciation (Sheep, Chicken, Goat, Beef, Pork, Turkey, Horse, Alligator, Bison, Kangaroo, Duck, Venison, Rabbit, Salmon) [5]	Digital Droplet PCR	FO 073
Melamine, Cyanuric Acid, Ammeline, and Ammelide [2]	LC/MS/MS	LCMS 018

Test(s)	Technology	Test Method(s)
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, Se)[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 Determination in Feeds [4]	Gravimetric-Vacuum Oven	FD 018
Moisture in Meat [5]	Gravimetric-Convection Oven	FO 001
Moisture, Loss on Ignition, and Ash in Fertilizers [2]	Gravimetric	WC 060
Nitrates in Fertilizers [4,1]	Segmented Flow Analysis	WC 032, EN 004
Nitrogen and Carbon in Fertilizers [2,4]	Combustion	WC 111, 112
Non-Protein Nitrogen in Fertilizers [2]	Titration	WC 035
Pentobarbital in Pet Food [2]	GC/MS/MS	HPLC 053
Pesticides [2] (E)-Chlorfenvinphos (Z)-Chlorfenvinphos 2,4'-Methoxychlor 2-Phenylphenol 3,4'-Dichloroaniline 4,4'-Methoxychlor olefin Acephate Acetochlor Acrinathrin Alachlor Aldrin	GC/MS/MS	LCMS 021

Test(s)	Technology	Test Method(s)
Allidochlor alpha-BHC Ametryn Atrazine Azinphos-ethyl Azinphos-methyl Benfluralin beta-BHC Bifenthrin Bromacil (E)-Bromfenvinphos (Z)-Bromfenvinphos Bromfenvinphos-methyl Bromophos Bromophos-ethyl Bromopropylate Bupirimate Butachlor Butylate Captan Carbaryl Carbophenothion Carfentrazone-ethyl Chlorbenside Chlorfenapyr Chlorfenson Chloroneb Chlorothalonil Chlorpropham Chlorpyrifos Chlorpyrifos-methyl Chlorthal-dimethyl Chlorthiophos-1 Chlorthiophos-2 Chlorthiophos-3 Chlozolinate cis-Chlordane cis-Nonachlor Clomazone Coumaphos Cyanazine Cycloate Cyfluthrin-1 Cyfluthrin (sum of isomers 2,3,4) Cypermethrin-1 Cypermethrin (sum of isomers 2,3,4) Cyprodinil Deisopropylatrazine delta-BHC		

Test(s)	Technology	Test Method(s)
Deltamethrin-2 Demeton-O Demeton-S Desethylatrazine Di-allate-1 Di-allate-2 Diazinon Dichlobenil Dichlofluanid Dichlorvos Dieldrin Dimethachlor Dimethenamid Dimethoate Diphenamid Diphenylamine Edifenphos Endosulfan ether Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin ketone EPN EPTC (Eptam) Ethalfluralin Ethion Ethoprophos Ethylan Etofenprox Etridiazole Fenamiphos Fenarimol Fenchlorphos Fenitrothion Fenpropathrin Fenson Fensulfothion Fenthion Fenvalerate-1 Fenvalerate-2 Fipronil Fluazifop-P-butyl Fluchloralin Flucythrinate-1 Flucythrinate-2 Fludioxonil Fluquinconazole Fluridone		

Test(s)	Technology	Test Method(s)
Flusilazole Flutolanil Flutriafol Folpet Fonofos gamma-BHC Heptachlor Cis-Heptachlor Hexachlorobenzene Hexazinone Imazalil Iodofenphos Iprodione Isazofos Isodrin Isofenphos Isopropalin lambda-Cyhalothrin Lenacil Leptophos Linuron Malathion Metalaxyl Metazachlor Methacrifos Methamidophos Methiocarb Methoxychlor Methyl Parathion Metolachlor Metribuzin Mevinphos (sum of isomers) MGK-264-1 MGK-264-2 Mirex Myclobutanil N-(2,4-Dimethylphenyl)formamide Naled Nitralin Nitrapyrin Nitrofen Norflurazon o,p'-DDD o,p'-DDE o,p'-DDT/p,p'-DDD (sum of analytes) Omethoate Oxadiazon Oxyfluorfen		

Test(s)	Technology	Test Method(s)
p,p'-DDE Paclobutrazol Parathion Ethyl Pebulate Penconazole Pendimethalin Pentachloroaniline Pentachloroanisole Pentachlorobenzene Pentachlorobenzonitrile Pentachlorothioanisole Cis-Permethrin Trans-Permethrin Phenothrin-1 Phenothrin-2 Phorate Phosalone Phosmet Piperonyl butoxide Pirimiphos-ethyl p,p'-DDT Pretilachlor Prochloraz Procymidone Prodiamine Profenofos Profluralin Prometon Prometryn Promiphos methyl Propachlor Propanil Propargite (sum of isomers) Propazine Propisochlor Propyzamide Prothiofos Pyraclofos Pyrazophos Pyridaben Pyridaphenthion Pyrimethanil Pyriproxyfen Quinalphos Quintozene Resmethrin-1 Resmethrin-2 Simazine Sulfotep		

Test(s)	Technology	Test Method(s)
Sulprofos (Bolstar) tau-Fluvalinate-1 tau-Fluvalinate-2 Tebuconazole Tebufenpyrad Tecnazene Tefluthrin TEPP Terbacil Terbufos Terbuthylazine 2,3,5,6-Tetrachloroaniline Tetrachlorvinphos Tetradifon Tetrahydrophthalimide (sum of isomers) Tetramethrin-1 Tetramethrin-2 Thiabendazole Tolclofos-methyl Tolyfluanid trans-Chlordane Transfluthrin trans-Nonachlor Triadimenol-1 Triadimenol-2 Triallate Triazophos Trichloronat Tricyclazole Triflumizole Trifluralin Vinclozolin		
Potassium, High Soluble in Fertilizers [2,1]	ICP-AES	WC 099, ME 026
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

Test(s)	Technology	Test Method(s)
Sulfur in Fertilizers[2,4]	Combustion	WC 065
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 Taurine [2,3]	LC/MS/MS	HPLC 049
Total, Soluble, and Insoluble Dietary Fiber [5]	Gravimetric	FO 027
Total/Ortho Phosphorus in Fertilizers [2]	Spectrophotometer	WC 004
Tryptophan [2,3]	LC/MS	HPLC 025
Vitamin A [2,3]	HPLC-UV	HPLC 011
Vitamin A [2,3]	HPLC-UV	HPLC 071
Vitamin B1 (Thiamine) [2,3]	HPLC-FLD	HPLC 022
Vitamin C [2,3]	HPLC-FLD	HPLC 010
Vitamin D2 & D3 [2,3]	LC/MS/MS	HPLC 064
Vitamin E [2]	HPLC-UV	HPLC 070
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

Satellite Location
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Test(s)	**Technology**	**Test Method(s)**
Moisture in Meat	Gravimetric – Convection Oven	FO 001
Total, Soluble, and Insoluble Dietary Fiber	Gravimetric	FO 027

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 laboratory also meets the requirements of A2LA *R204 - Specific Requirements - Food and Pharmaceutical Testing Laboratory Accreditation Program*. 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 19th day of September 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2853.02
Valid to September 30, 2026
Revised August 13, 2026

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