



Accredited Laboratory

A2LA has accredited

GREAT PLAINS ANALYTICAL LABORATORY

Kansas City, MO

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 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 8 January 2009).



Presented this 1st day of 2017.

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

President and CEO
For the Accreditation Council
Certificate Number 4148.01
Valid to January 31, 2019

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

GREAT PLAINS ANALYTICAL LABORATORY

9503 North Congress Avenue

Kansas City, MO 64153

Mrs. Sarah Madigan Phone: 816-891-7337

CHEMICAL

Valid to: January 31, 2019

Certificate Number: 4148.01

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 2015 "AOAC 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 grains, flour, food, feed, and oils:

<u>Test Name:</u>	<u>Test Method(s):</u>
Aflatoxin by HPLC	AOAC 994.08 (Modified)
Aflatoxin, Vomitoxin, Ochratoxin by ELISA	In-house Test Methods 037, 038, 040
Ascorbic Acid by HPLC	AOAC 986.13 (Modified)
Ash by Gravimetric	AACC 08-01.01
Cholesterol by GC	AOAC 994.10
Crude Fat by Gravimetric Extraction	AACC 30-25.01
Crude Fiber by Gravimetric Extraction	AACC 32-10.01
Fat by Acid Hydrolysis	AOAC 922.06, AACC 30-10.01
Fatty Acid Profile by GC	AOAC 996.06
Folic Acid by HPLC	In-house Test Method 03-HPLC-FA-3
Free Fatty Acids & Peroxide Value by Safestest Test Kit	In-house Test Method 27-SafTest-FFV-PV
Iron, Calcium, Zinc, Sodium, Potassium by Atomic Absorption by AA	AACC 40-70.01, AACC 40-71.01
Moisture by Gravimetric	AACC 44-15.02
Ochratoxin by HPLC	In-house Test Method 06-HPLC-OCHRA
Protein by Combustion	AACC 46-30.01
Sugar by HPLC	AACC 80-04.01 (Modified)

<u>Test Name:</u>	<u>Test Method(s):</u>
Vitamin A as Retinol Palmitate by HPLC	In-house Test Method 10-HPLC-VITA
Vitamin B1, Vitamin B2 by HPLC	In-house Test Method 09-HPLC-B1B2
Vomitoxin by HPLC	In-house Test Method 12-HPLC-VOM
Zearalenone by HPLC	In-house Test Method 14-HPLC-ZEA

MECHANICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on grains and flour:

<u>Test Name:</u>	<u>Test Method:</u>
Falling Number (alpha amylase activity by time and distance)	AACC 56-81.03
Resistance of Dough to Extension and the Extent to which it can be Stretched by Alveograph	AACC 54-30.02
Resistance of Dough to Mixing by Mixograph	AACC 54-40.02
Resistance of Dough to Mixing to Evaluate Absorption, Stability, and Peak time by Farinograph	AACC 54-21.02



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Biological Testing

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Presented this 1st day of May 2017.

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

President and CEO
For the Accreditation Council
Certificate Number 4148.02
Valid to January 31, 2019

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

GREAT PLAINS ANALYTICAL LABORATORY INC.
9503 North Congress Avenue
Kansas City, MO 64153
Mrs. Sarah Madigan Phone: 816-891-7337

BIOLOGICAL

Valid To: January 31, 2019

Certificate Number: 4148.02

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 2015 "AOAC 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 food products, environmental testing of swabs, packaging material, and water:

<u>Test Name:</u>	<u>Test Method(s):</u>
Aerobic Mesophilic Bacteria by Petrifilm	ISO 4833
<i>Bacillus cereus</i> by Spread Plate	AFNOR AES 10/10-07/10
Coagulate Positive Staph by Spread Plate	FDA BAM Ch. 12
Coliforms and <i>Escherichia coli</i> by Membrane Filtration	SM9222B, SM9221F
Coliforms and <i>E. coli</i> by MPN	FDA BAM Ch. 4
Coliforms and <i>E. coli</i> by Petrifilm	AOAC 991.14
<i>E. coli</i> O157:H7 BAX	AOAC-RI 031002
<i>Enterobacteriaceae</i> by Petrifilm	CMMEF 9.63
<i>Listeria monocytogenes</i> by GDS	AOAC-RI 070702
<i>Listeria</i> spp. by GDS	AOAC-RI 070701
Mesophilic Spores	CMMEF Ch. 23
<i>Salmonella</i> by BAX	AOAC 2003.09
<i>Salmonella</i> Rapid GDS	AOAC 2009.03
Sanitation – Extraneous Material in Rice Flour	AOAC 970.71
Sanitation – Extraneous Material in White Flour	AACC 28-41.03

<u>Test Name:</u>	<u>Test Method(s):</u>
Sanitation – Extraneous Material in Whole Wheat	AACC 28-22.02
Standard Plate Count by Petrifilm	AOAC 990.12
Standard Plate Count by Pour Plate	FDA BAM Ch. 3, SM9215B
Thermophilic Spores	AACC 42-40
Yeast & Mold	FDA BAM Ch. 18

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AACC: American Association of Cereal Chemists

AFNOR: Association française de normalisation

AOAC: Association of Analytical Communities

AOAC-RI: AOAC Research Institute Manufacturer Performance Tested Methods

CMMEF: Compendium of Methods for the Microbiological Examination of Foods

FDA BAM: Food and Drug Administration Bacteriological Analytical Manual

SM: Standard Methods