



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MONSANTO CROP ANALYTICS
3302 SE Convenience Blvd.
Ankeny, IA 50021
Kim Shaffer Phone: 515 936 4225

CHEMICAL

Valid To: August 31, 2019

Certificate Number 1833.01

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 Oilseed, Grains, Dried Distillers Grains with Solubles (DDGS) and Soil:

Technologies: Infrared Spectroscopy, Gas Chromatography, High Performance Liquid Chromatography (HPLC), Gravimetric

| <u>Test</u> | <u>Test Method</u> |
|---|--------------------|
| Ash Method | ASci-05-0014 |
| Determination of Ethanol Yield in Fermented Corn | ASci-03-0003 |
| Determination of Moisture in Soil | ASci-12-0006 |
| Determination of Nitrate-Nitrogen in Soil using Nitrate Electrode Method | ASci-13-0002 |
| Determination of Soil Organic Matter by Loss on Ignition | ASci-13-0001 |
| Determination of Soil pH | ASci-12-0005 |
| Extraction of Total Oil in Ground Corn, Soy, and DDG using a Foss Tecator 2050 Soxtec Avanti Automatic System | ASci-02-0003 |
| Near Infrared Analysis of Whole Seeds using an Infratec Grain Analyzer | ASci-01-0007 |
| Oven Extractable Moisture Determination in Ground Single Seed, Bulk Corn, and Soy Samples | ASci-01-0003 |
| Quantitative Analysis of Total Protein in Soybean and Corn Samples using a LECO FP-528 Nitrogen Analyzer | ASci-02-0004 |
| Rapid Method for Determination of the Fatty Acid Profile from Extracted Oil | ASci-04-0001 |
| Total Starch Determination by CRA Method in Corn and DDGS | ASci-05-0013 |



Accredited Laboratory

A2LA has accredited

MONSANTO CROP ANALYTICS

Ankeny, IA

for technical competence in the field of

Withdrawn

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 10th day of August 2017.

A handwritten signature in black ink, appearing to read 'L. Sen', written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 1833.01
Valid to August 31, 2019

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