



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

REGIONAL CENTER FOR FOOD AND FEED (RCFF)  
AGRICULTURAL RESEARCH CENTER  
9 El Gamma Street  
Giza, Egypt  
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CHEMICAL

Valid To: March 31, 2020

Certificate Number: 2143.01

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 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 grains, feed ingredients, feed additives, and feed mixtures:

<u>Test</u>	<u>Test Method(s)</u>
<u>Chemical Analysis:</u>	
Crude Fiber	ANKOM AOCS Ba 6a-05 (plus ANKOM Instructions)
Crude Protein Analysis	AOAC 984.13, Tecator Application Note: AN 300
Feed Ingredients by Amino Acid Analyzer Acid Hydrolysis Method	AOAC 994.12, Official Journal of the European Communities 19.9.98
Grain Inspection	Official United States Standards for Grains (FGIS) Y-Corn, Soy-B, Sorghum, and Barley
<u>Minerals:</u>	
Calcium and Titrimetric Method	AOAC 935.13
Calcium and Phosphorus by Inductively Coupled Plasma (ICP) Spectrometer	AOAC 985.01
Copper and Manganese by Atomic Absorption (AA)	AOAC 968.08, Perkin Elmer AA Instructions

<u>Test</u>	<u>Test Method(s)</u>
Fatty Acids	AOAC 969.33, Palmitic Acid (C16:0), Stearic Acid (C18:0), Oleic Acid (C18:1ω9), Linoleic Acid (C18:2ω6), Linolenic Acid (C18:3ω3)
Fiber Fractions (ADF-ADL-NDF)	ANKON Technology Method, AOAC 973.18
Gross Energy	Parr 1261 Instruction Manual, by Isoperibol Bomb Calorimeter
Hardness	AOAC 973.52
Phosphorus by Spectrophotometer	AOAC 965.17
Total Aflatoxin by Fluorometer	AOAC 991.31
Vitamin A	AF 255.1
Vitamin B1 and B2	AB 189.2
Vitamin C	AB 113.2 Updated in Journal of Chromatography B 730 pp 101-111
Vitamins by HPLC “Danish Official”	National Food Agency of Denmark
<u>Clinical Chemical Analysis on Serum and Plasma of Animals:</u>	
Serum Cholesterol FS	Diasys Cholesterol FS Kit
Serum Triglycerides FS	Diasys Triglycerides FS Kit
<u>Microbiology Analysis:</u>	
<i>Enterococcus</i>	NMKL No. 68
Microscopic Analysis	Commission Regulation (EC) No. 51/2013. Methods of Analysis for the Determination of Constituents of Animal Origin for the Official Control of Feed, Atlas of Microscopy III Terrestrial Animal, Protein Concentrate, Fish, and Other Marine Animals.
Total <i>Bacillus cereus</i> Count	NMKL No. 67
Total Generic Coliforms Count	NMKL No. 44
Total Yeast Count	NMKL No. 98

<u>Test</u>	<u>Test Method(s)</u>
<u>Qualitative:</u>	
Corn and Corn-Derived Components (DNA)	ISO/FDIS 21569 Annex A (A <sub>4</sub> ) 2005 - Qualitative Nucleic Acid (DNA) Method
Genetically Modified Organism (35s) (DNA)	ISO/FDIS 21569 Annex B (B <sub>1</sub> ) 2005 - Qualitative Nucleic Acid (DNA) Method
Modified Maize (DNA) Mon 810	ISO/FDIS 21569 Annex D (D <sub>1</sub> ) 2005 - Qualitative Nucleic Acid (DNA) Method



## Accredited Laboratory

A2LA has accredited

# REGIONAL CENTER FOR FOOD AND FEED (RCFF) AGRICULTURAL RESEARCH CENTER

Giza, EGYPT

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 April 2017).



Presented this 31<sup>st</sup> day of May 2018.

A handwritten signature in blue ink, positioned above a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2143.01  
Valid to March 31, 2020  
Revised February 26, 2020

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