



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

FOUNDATION ANALYTICAL LABORATORY INC.

723 Sleezer Road

Cherokee, IA 51012

Diane Young Phone: (712) 225-6989

CHEMICAL

Valid To: February 28, 2024

Certificate Number: 4733.01

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 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 feed and food:

| <u>Test/Technology</u> | <u>Test Method(s)</u> | <u>Reference Method(s)</u> |
|--|------------------------------|----------------------------|
| Acid Detergent Fiber by ANKOM | QTM 6-07-010 | AOAC 973.18 (modified) |
| Amino Acids by Amino Acid Analyzer (Alanine, Arginine, Aspartic Acid, Glutamic Acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Phenylalanine, Proline, Serine, Threonine, Tyrosine, Valine) | QTM 6-07-031 | AOAC 994.12 (modified) |
| Amino Acids by UPLC-PDA / Precolumn Derivatization (Alanine, Arginine, Aspartic Acid, Glutamic Acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Phenylalanine, Proline, Serine, Threonine, Tyrosine, Valine) | QTM 6-07-031 QTM 6-07-093 | Internal Method |
| Ash | QTM 6-07-001 | AOAC 942.05 |
| Crude Fat | QTM 6-07-008 | AOAC 945.16 |
| Crude Fat in Meat and Meat Products | QTM 6-06-004 | USDA CLG-FAT |
| Crude Fiber by ANKOM | QTM 6-07-011 | AOCS Ba 6a-05 |
| Crude Protein/Nitrogen – Combustion | QTM 6-07-064 | AOAC 990.03 |

| <u>Test/Technology</u> | <u>Test Method(s)</u> | <u>Reference Method(s)</u> |
|---|------------------------------|---|
| Crude Protein/Nitrogen – Combustion in Meat and Meat Products | QTM-6-06-041 | USDA CLG-PRO4 |
| Crude Protein/Nitrogen – Kjeldahl | QTM 6-07-022 | AOAC 2001.11 |
| Cystine/Methionine by Amino Acid Analyzer | QTM 6-07-030 | AOAC 994.12 (modified) |
| Cystine/Methionine by UPLC-PDA / Precolumn Derivatization | QTM 6-07-030 QTM 6-07-093 | Internal Method |
| Deoxynivalenol (DON) by LC/MS/MS | QTM 6-07-068 | BS EN 15791:2009 (modified) |
| Fat – Acid Hydrolysis | QTM 6-07-007 | AOAC 954.02 |
| Minerals by ICP-OES (Ca, Cu, Fe, Mg, Mn, P, K, Na, S, Zn) | QTM 6-07-013 QTM 6-07-014 | ----- |
| Moisture – 105°C | QTM 6-07-004 | AOAC 925.45 (modified) AOAC 945.15 NFTA 2.2.2.5 |
| Moisture – 125°C | QTM 6-06-019 | USDA CLG-MOI |
| Moisture – 135°C | QTM 6-07-006 | AOAC 930.15 |
| Mycotoxins by LC/MS/MS (Aflatoxin Deoxynivalenol (DON), Fumonisin, Ochratoxin, T-2 / HT-2, Zearalenone) | QTM 6-07-062 | Internal SOP based on: AOAC 994.08; 2000.03; 2001.04; 2001.06 JAOAC Volume 88 #4, 2005 pp 1197-1204 and 1733-1740 |
| Neutral Detergent Fiber by ANKOM | QTM 6-07-012 | Internal SOP based on ANKOM NDF Method 13 |
| Salt (%) by Titration | QTM 6-06-031 | USDA CLG-SLT |
| Total Starch | QTM 6-07-025 | AOAC 996.11 (modified) |
| Tryptophan by Amino Acid Analyzer | QTM 6-07-032 | AOAC 988.15 (modified) |
| Tryptophan by UPLC-PDA / Precolumn Derivatization | QTM 6-07-032 QTM 6-07-093 | Internal Method |



Accredited Laboratory

A2LA has accredited

FOUNDATION ANALYTICAL LABORATORY, INC.

Cherokee, IA

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 15th day of December 2021.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4733.01
Valid to February 28, 2024

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