The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## rtech / LAND O'LAKES ANALYTICAL LABORATORY

*St. Paul, MN*

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 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 6th day of October 2009.

President & CEO
For the Accreditation Council
Certificate Number 1765.02
Valid to May 31, 2011

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

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SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

rtech / LAND O'LAKES
ANALYTICAL LABORATORY
4001 Lexington Ave. N.
Arden Hills, MN 55126
Julie Honsa  Phone: 651 481 2282

CHEMICAL

Valid to: May 31, 2011  Certificate Number: 1765.02

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 "*AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food and Pharmaceuticals*"), accreditation is granted to this laboratory to perform the following tests on food and dairy products:

| SOP | Title |
|---|---|
| 05-4-WC022 | Acid Degree Value (ADV) |
| 05-4-RC019 | Acidity, Titratable |
| 05-4-WC025 | Amino Nitrogen |
| 05-4-WC028 | Anisidine Value |
| 05-4-RC031 | Ash, Alkalinity |
| 05-4-RC023 | Ash, Gravimetric and Acid Insoluble |
| 05-4-RC051 | Ash, Sulfated |
| 05-4-IA014 | Cholesterol in Food Products |
| 05-4-RC042 | Color; Hunter L.a.b. |
| 05-4-RC005 | Density, Poured Bulk |
| 05-4-WC026 | Dropping Point |
| 05-4-RC033 | Fat, Soxhlet Extraction |
| 05-4-RC022 | Fat, Total Fat by Ether Extraction with Acid or Base Hydrolysis |
| 05-4-IA052 | Fatty Acid Composition in Food |
| 05-4-IA060 | Fatty Acid Composition in Oils and Fats |
| 05-4-IA061 | Fatty Acids, Omega 3 and 6 |
| 05-4-WC003 | Fiber, Total Dietary |
| 05-4-WC004 | Free Fatty Acid |
| 05-4-WC012 | Galactose, Enzymatic (D) |
| 05-4-WC013 | Glucose, Enzymatic (D) |
| 05-4-WC005 | Iodine Value |
| 05-4-WC030 | Lactic Acid, Enzymatic |
| 05-4-WC015 | Lactose, Enzymatic |
| 05-4-IA001 | Minerals, Preparation |
| 05-4-IA044 | Minerals, AA (Varian) |
| 05-4-IA059 | Minerals, AA (Thermal) |
| 05-4-IA062 | Minerals, Preparation (Microwave) |
| 05-4-RC024 | Moisture and Solids by Vacuum or Forced Air |



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| SOP | Title |
|---|---|
| 05-4-RC029 | Moisture, Karl Fischer, Volumetric Method |
| 05-4-IA057 | Natamycin in Cheese by HPLC |
| 05-4-RC013 | Nitrogen, Non Protein (NPN) |
| 05-4-RC026 | Nitrogen, Undenatured Whey Protein (Spectrophotometric) |
| 05-4-RC017 | Nitrogen, Undenatured Whey Protein in Powders and Liquids (WPN) |
| 05-4-AD006 | Nutrition Labeling and Regulatory Services |
| 05-4-IA015 | Organic Acids, HPLC |
| 05-4-RC006 | Particle Size, Alpine Air Jet Sieve |
| 05-4-RC007 | Particle Size, Ro-tap Sieve Shaker Method |
| 05-4-WC007 | Peroxide Value |
| 05-4-RC028 | pH Determination |
| 05-4-IA002 | Phosphorus |
| 04-4-003 | Projects and Shelf Life Studies |
| 05-4-IA048 | Protein Profile in Dairy Products, HPLC |
| 05-4-RC014 | Protein, Kjeldahl |
| 05-4-RC050 | Protein, Precipitable at pH 4.6 (Casein) |
| 05-4-IA034 | Riboflavin, HPLC |
| 05-4-IA005 | Salt, Volhard |
| 05-4-RC032 | Scorched Particle |
| 05-4-WC009 | Solid Fat Index |
| 05-4-RC024 | Solids and Moisture by Vacuum or Forced Air Oven |
| 05-4-RC043 | Solids, Refractive Index and Brix |
| 05-4-RC040 | Solids, Suspended or Filterable |
| 05-4-RC008 | Solubility Index |
| 05-4-IA012 | Sorbic and Benzoic Acids, HPLC |
| 05-4-IA053 | Sugar Profile, HPLC |
| 05-4-WC027 | TBA Value (2-thiobarbituric acid) in Fats and Oils |
| 05-4-IA033 | Thiamine, HPLC |
| 05-4-IA050 | Vitamin A (Retinol) in Foods, HPLC |
| 05-4-IA051 | Vitamine E (α-Tocopherol) in Foods, HPLC |
| 05-4-RC030 | Water Activity |