



SCOPE OF ACCREDITATION TO ISO/IEC 17025-2005

MICROBAC LABORATORIES, INC.
HAUSER LABORATORIES DIVISION
4750 Nautilus Court South, Unit A
Boulder, CO 80301
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CHEMICAL

Valid To: June 30, 2013

Certificate Number: 0018.01

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 for the Food Chemistry area contained within "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 or types of tests on adhesives/sealants, coatings, composites, cosmetics/toiletries/perfume, detergents/soaps, lubricants, metals, paints/pigments/related surface coatings, petroleum products (crude oils/fuels/lubricants), pickling and plating solutions, dietary supplements, plastics/polymers, building materials, pharmaceuticals, and a variety of food/feed matrices:

GENERAL TESTING

<u>Test Method</u>	<u>Test</u>
ASTM E334	Practices for General Techniques of Infrared Microanalysis
ASTM E1508	Guide for Quantitative Analysis by Energy-Dispersive Spectroscopy (Semi Quantitative)
USP (621)	Chromatography-High Pressure Liquid Chromatography
CPSC-CH-E1001-08 / Health Canada C-02.4	Lead in Jewelry
CPSC-CH-C1001-09.3 / Health Canada C-34	Determination of Phthalates

PAINTS AND ADHESIVES

<u>Test Method</u>	<u>Test</u>
AOAC 974.02	Lead in Paint (per 16 CFR 1303 regulations)
ASTM D2369	Test Method for Volatile Content of Coatings

PAINTS AND ADHESIVES (Continued)

<u>Test Method</u>	<u>Test</u>
ASTM D4017	Test Method for Water in Paint and Paint Materials by Karl Fischer Method
ASTM E203	Test Method for Water Using Karl Fischer Reagent

BIODIESEL AND PETROLEUM TESTING

<u>Test Method</u>	<u>Test</u>
ASTM D56	Test Method for Flash Point by Tag Closed Tester
ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D93	Test for Flash Point by Pensky-Martens Closed Cup Tester
ASTM D130	Test Method for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish Test
ASTM D381	Test Method for Existent Gum in Fuels by Jet Evaporation
ASTM D482	Test Method for Ash from Petroleum Products
ASTM D664	Test Method for Acid Number of Petroleum Products by Potentiometric Titration
ASTM D1298	Test Method for Density, Relative Density, and Specific Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Test
ASTM D2500	Test Method for Cloud Point of Petroleum Products
ASTM D6304	Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration
ASTM D6584	Test Method for Determination of Free and Total Glycerin in B-100 Biodiesel Methyl Esters by Gas Chromatography
ASTM D6751	Standard Specification for Biodiesel Fuel Stock (B100) for Middle Distillate Fuels
ASTM D7501	Standard Test Method for Determination of Fuel Filter Blocking Potential of Biodiesel (B100) Blend Stock by Cold Soak Filtration Test (CSFT)
EN 14112	Fat and Oil Derivatives - Fatty Acid Methyl Ester (FAME) Determination of Oxidative Stability (Accelerated Oxidation Test)



FOOD TESTING

<u>Test Method</u>	<u>Test</u>
AOAC 920.153	Ash in Meat and Meat Products
AOAC 942.05	Ash in Feed and Food
AOAC 960.39	Fat in Meat and Meat Products
AOAC 945.44	Fat (Acid Hydrolysis)
AOAC 996.06	Fat (Total Saturated and Unsaturated) in Foods
AOAC 950.46	Moisture in Meat and Meat Products
AOAC 930.15	Moisture in Feed and Food
AOAC 992.15	Protein in Meat and Meat Products
AOAC 990.03	Protein in Feed
AOAC 992.23	Protein in Cereal, Grains and Food
AOAC 971.27	Salt in Food
AOAC 991.43	Total Dietary Fiber in Foods
AOAC 967.22	Vitamin C (Total) in Vitamin Preparations: Microfluorometric Method
AOAC 978.18B(c)	Water Activity
HL 7014	Determination of the Total Sugar Content in Foods by HPLC
AOAC 2001.13	Determination of Cholesterol and Vitamin A in Foods
AOAC 920.87	Determination of Total Kjeldahl Nitrogen

DIETARY SUPPLEMENTS

<u>Test Method</u>	<u>Test</u>
HL 4130	Determination of the Concentration of Ginkgo Flavone Glycosides in <i>Ginkgo Biloba</i> Products by HPLC
HL 4267	Determination of Total Valerenic Acids by HPLC





World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

MICROBAC LABORATORIES, INC. HAUSER LABORATORIES DIVISION

Boulder, CO

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 23rd day of August 2011.





President & CEO

For the Accreditation Council
Certificate Number 0018.01
Valid to June 30, 2013

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