



SCOPE OF ACCREDITATION TO ISO/IEC 17025-2005

MICROBAC LABORATORIES, INC.  
HAUSER LABORATORIES DIVISION  
4750 Nautilus Court South, Unit A  
Boulder, CO 80301  
Steve Ferry Phone: 720 406 4800

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: Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings CPSC-CH-E1003-09.1)
ASTM D2369	Test Method for Volatile Content of Coatings
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 D381	Test Method for Existent Gum in Fuels by Jet Evaporation
ASTM D6304	Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration

## 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

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