

State of Wisconsin  
Department of Natural Resources



recognizes

**Wisconsin Certification under NR 149**  
of  
**Microbac Laboratories Inc. - Chicagoland Div**

Laboratory Id: **998036710**

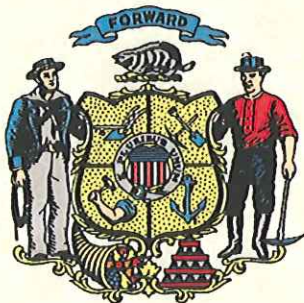
as a laboratory licensed to perform environmental sample analysis in support of covered environmental programs (ch. NR149.02 Note) for the parameter(s) specified in the attached Scope of Accreditation.

**August 31, 2012**

Expiration Date

**August 17, 2011**

Issued on



*Camille Turcotte*

Camille Turcotte, Chief  
Environmental Science Services

*Cathy Stepp*

Cathy Stepp, Secretary  
Department of Natural Resources

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control practices, records, and proficiency of the laboratory have been reviewed and found to satisfy the requirements of ch. NR 149, Wis. Adm. Code.

# Scope of Accreditation

**Microbac Laboratories Inc. - Chicagoland Div**  
**250 West 84th Dr**  
**Merrillville, IN 46410**

Laboratory Id: **998036710**  
 Expiration Date: **08/31/12**  
 Issued Date: **08/17/11**

## Wisconsin Certification under NR 149 Matrix: Aqueous (Non-potable Water)

<p><b>Class: General Chemistry</b>                  Cyanide, Total <i>by Colorimetric</i>                  Oil&amp;Grease, Hexane Ext. Material (HEM) <i>by Grav</i>                  Phenolics, Total <i>by Colorimetric</i></p>	<p><b>Class: Pesticides, Organochlorine</b>                  ## PESTICIDES, ORGANOCHLORINE (group) <i>by GC</i>                  Endosulfan I <i>by GC</i>                  Methoxychlor <i>by GC</i></p>
<p><b>Class: Metals</b>                  Aluminum <i>by ICP</i>                  Aluminum <i>by ICP-MS</i>                  Antimony <i>by ICP</i>                  Antimony <i>by ICP-MS</i>                  Arsenic <i>by ICP</i>                  Arsenic <i>by ICP-MS</i>                  Cadmium <i>by ICP</i>                  Cadmium <i>by ICP-MS</i>                  Calcium <i>by ICP</i>                  Chromium (Hexavalent) <i>by Colorimetric</i>                  Chromium (Total) <i>by ICP</i>                  Chromium (Total) <i>by ICP-MS</i>                  Copper <i>by ICP</i>                  Copper <i>by ICP-MS</i>                  Iron <i>by ICP</i>                  Iron <i>by ICP-MS</i>                  Lead <i>by ICP</i>                  Lead <i>by ICP-MS</i>                  Magnesium <i>by ICP</i>                  Magnesium <i>by ICP-MS</i>                  Manganese <i>by ICP</i>                  Manganese <i>by ICP-MS</i>                  Mercury <i>by Hyd-CVAA</i>                  Mercury <i>by ICP-MS</i>                  Mercury <i>by UltraLow</i>                  Nickel <i>by ICP</i>                  Nickel <i>by ICP-MS</i>                  Potassium <i>by ICP</i>                  Selenium <i>by ICP</i>                  Selenium <i>by ICP-MS</i>                  Silver <i>by ICP</i>                  Silver <i>by ICP-MS</i>                  Thallium <i>by ICP</i>                  Thallium <i>by ICP-MS</i>                  Zinc <i>by ICP</i>                  Zinc <i>by ICP-MS</i></p>	<p><b>Class: PCBs as Aroclors</b>                  ## PCB as AROCLORS (group) <i>by GC</i></p>
	<p><b>Class: Volatile Organics</b>                  ## VOLATILE ORGANICS [VOC] (group) <i>by GC/MS</i></p>
<p><b>Class: BNA Semivolatiles</b>                  ## SEMIVOLATILES [BNA] (group) <i>by GC/MS</i></p>	

The laboratory named above is hereby licensed under ch. NR 149, Wis. Adm. Code for the parameters listed in this attachment.  
 \* Analyte groups are defined and listed on the WI DNR Lab Certification website. See <http://dnr.wi.gov/org/es/science/lc/> for details.

# Scope of Accreditation

**Microbac Laboratories Inc. - Chicagoland Div**  
**250 West 84th Dr**  
**Merrillville, IN 46410**

Laboratory Id: **998036710**  
 Expiration Date: **08/31/12**  
 Issued Date: **08/17/11**

## Wisconsin Certification under NR 149 Matrix: Solid (Waste, Soil & Tissue)

<p><b>Class: General Chemistry</b>                  Cyanide, Total <i>by Colorimetric</i>                  Phenolics, Total <i>by Colorimetric</i></p>	<p><b>Class: PCBs as Aroclors</b>                  ## PCB as AROCLORS (group) <i>by GC</i></p>
<p><b>Class: Metals</b>                  Aluminum <i>by ICP</i>                  Aluminum <i>by ICP-MS</i>                  Antimony <i>by ICP</i>                  Antimony <i>by ICP-MS</i>                  Arsenic <i>by ICP</i>                  Arsenic <i>by ICP-MS</i>                  Cadmium <i>by ICP</i>                  Cadmium <i>by ICP-MS</i>                  Calcium <i>by ICP</i>                  Chromium (Hexavalent) <i>by Colorimetric</i>                  Chromium (Total) <i>by ICP</i>                  Chromium (Total) <i>by ICP-MS</i>                  Copper <i>by ICP</i>                  Copper <i>by ICP-MS</i>                  Iron <i>by ICP</i>                  Iron <i>by ICP-MS</i>                  Lead <i>by ICP</i>                  Lead <i>by ICP-MS</i>                  Magnesium <i>by ICP</i>                  Magnesium <i>by ICP-MS</i>                  Manganese <i>by ICP</i>                  Manganese <i>by ICP-MS</i>                  Mercury <i>by Hyd-CVAA</i>                  Mercury <i>by ICP-MS</i>                  Nickel <i>by ICP</i>                  Nickel <i>by ICP-MS</i>                  Potassium <i>by ICP</i>                  Selenium <i>by ICP</i>                  Selenium <i>by ICP-MS</i>                  Silver <i>by ICP</i>                  Silver <i>by ICP-MS</i>                  Thallium <i>by ICP</i>                  Thallium <i>by ICP-MS</i>                  Zinc <i>by ICP</i>                  Zinc <i>by ICP-MS</i></p>	<p><b>Class: Volatile Organics</b>                  ## VOLATILE ORGANICS [VOC] (group) <i>by GC/MS</i></p>
<p><b>Class: BNA Semivolatiles</b>                  ## SEMIVOLATILES [BNA] (group) <i>by GC/MS</i></p>	
<p><b>Class: Pesticides, Organochlorine</b>                  ## PESTICIDES, ORGANOCHLORINE (group) <i>by GC</i></p>	

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**State of Wisconsin**

DEPARTMENT OF NATURAL RESOURCES

101 S Webster St  
PO Box 7921  
Madison, WI 53707-7921

Scott Walker, Governor  
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August 17, 2011

FID: 998036710

MS. DONNA RUOKONEN  
MICROBAC LABORATORIES INC. - CHICAGOLAND DIV  
250 WEST 84TH DR  
MERRILLVILLE, IN 46410

Dear Ms. Donna Ruokonen:

Enclosed is your new Laboratory Certification or Registration certificate. This certificate supersedes all previous certificates.

YOUR CERTIFICATE IS AN IMPORTANT DOCUMENT. PLEASE REVIEW IT CAREFULLY FOR ERRORS AND COMPARE IT TO YOUR PREVIOUS YEAR'S CERTIFICATE. MAKE SURE THAT THIS CERTIFICATE REFLECTS THE TESTS FOR WHICH YOU APPLIED TO BE CERTIFIED. If you believe your certificate contains errors, contact the Laboratory Certification and Registration Program immediately at (608) 267-7633 or by e-mail at [LabCert@dnr.state.wi.us](mailto:LabCert@dnr.state.wi.us).

Sincerely,

Camille Turcotte, Chief  
Environmental Science Services