



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

MICRO-CHEM Laboratories, Inc.
711 6th Avenue North, Suite 100 Seattle, WA 98109

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2017
**& Meets the Requirements of the AOAC International Guidelines for Laboratories
Performing Microbiological and Chemical Analyses of
Food and Pharmaceutical-2018**

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Microbiological Testing of Food and Related Items
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

March 15, 2010

Issue Date:

March 30, 2022

Expiration Date:

June 30, 2024

Accreditation No.:

64590

Certificate No.:

L22-274

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

MICRO-CHEM Laboratories, Inc.

711 6th Avenue North, Suite 100 Seattle, WA 98109
Contact Name: Lisa Srithongsuk Phone: 206-633-3637

Accreditation is granted to the facility to perform the following testing:

| FIELD OF TEST | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS OR PROPERTIES MEASURED | SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED | RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT |
|-------------------------|---|--|--|--|
| Biological ^F | Food & Food related Item Spoilage & Environmental - Swabs | Total Plate Count | LP32 - FDA/BAM Chapter 3 | < 1 CFU/g to 10 ⁶ CFU/g |
| | | Bacillus cereus Count | LP38 - FDA/BAM Chapter 14 AFNOR ASE 10/10-0710 | |
| | | Coliform/E.coli Count 3M Petri-Film | AOAC OMA 991.14 AOAC OMA 998.08 | < 10 CFU/g to 10 ⁶ CFU/g |
| | | Coliform/E.coli MPN Count | LP28 - FDA/BAM Chapter 4 | < 3 MPN/g to 110 000 MPN/g |
| | | Staphylococcus aureus Count | LP35 - FDA/BAM Chapter 12 | < 10 CFU/g to 10 ⁶ CFU/g |
| | | Yeast & Mold Count | LP34 - FDA/BAM Chapter 18 | |
| | | Enterobacteriaceae Count 3M Petri-Film | AOAC OMA 2003.01 | |
| | | Anaerobic Plate Count | Local Instructions | |
| | | Microbial Spore Count | | |
| | | Lactobacillus Count | CMMEF, 4 th ed: 19.522 | |
| | | Lactic Acid Bacteria / Heterofermentative Lactic Acid Bacteria Count 3M Petri-Film | AOAC RI 041701 | |
| | | Clostridium perfringens | FDA/BAM Chapter 16 | |
| | | Contaminating Microorganisms | ISO 13559:2002/ Customer Instructions | |
| | | Psychrotrophic Plate Count | CMMEF, 4 th ed: 13.6 | |
| | | Enterobacteriaceae MPN Count | ISO 21528-1 | < 0.3 MPN/g to 110 000 MPN/g |
| | | TEMPO Bacillus cereus Count | AOAC RI 071401 | < 10 CFU/g to 4.9 x 10 ⁶ CFU/g (mL) |
| | | TEMPO Aerobic Count | AOAC RI 121204 | |
| | | TEMPO Coliform Count | AOAC RI 060702 | |
| | | TEMPO E. coli Count | AOAC OMA 2009.02 | |
| | | TEMPO Coagulase Positive Staphylococcus Count | AOAC RI 120901 | |
| | | TEMPO Yeast & Mold Count | AOAC RI 041001 | |
| | | TEMPO Lactic Acid Bacteria Count | Local Instructions | |
| | | TEMPO Enterobacteriaceae Count | AOAC RI 050801 | |



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|-------------------------|---|---|--|---|
| Biological ^F | Food & Food Related Items & Environmental - Swabs | BAX Salmonella | AOAC OMA 2003.09 | Positive/Negative |
| | | BAX Vibrio cholerae, parahaemolyticus, vulnificus | AOAC RI 050902 | |
| | | BAX Listeria genus | AOAC RI 030502 | |
| | | BAX Listeria monocytogenes | AOAC OMA 2003.12AOAC RI 070202 | |
| | | BAX 24E Listeria genus | AOAC RI 050903 | |
| | | BAX 24E Listeria monocytogenes | AOAC RI 080901 | |
| | | MDA 2 Salmonella | AOAC OMA 2016.01 | |
| | | MDA 2 Listeria genus | AOAC OMA 2016.07 | |
| | | MDA 2 Listeria monocytogenes | AOAC OMA 2016.08 | |
| | Food and food related items | BAX STEC Panel 1 (026-0111-0121) | AOAC RI 091301 | 0 % to 100 % |
| | | BAX STEC Panel 2 (045-0103-0145) | | |
| | | BAX STEC PCR Screening | | |
| | | BAX E.coli O157:H7 Real Time | AOAC RI 031002 | |
| | | Salt | AOAC OMA 971.19 AOAC OMA 976.19 | |
| | | Moisture | AOAC OMA 934.01 AOAC OMA 950.46 | |
| | | pH | AOAC OMA 981.12 | |
| | | Water Activity | AOAC 978.18 | |
| | Drinking Water | Coliform/E.coli | SM 9221 D & F | Presence/Absence |
| | Food & Food Related Item & Environmental - Swabs | Egg Allergen | Neogen work instruction S-Elisa(E) | 2.5 ppm to 25 ppm |
| | | Milk Allergen | Neogen work instruction S-Elisa(M) | |
| | | Soy Allergen | Neogen work instruction S-Elisa(S) | |
| | | Casein Allergen | Neogen work instruction S-Elisa(C) | |
| | | Peanut Allergen | AOAC RI 030403 | |
| | | Crustacea Allergen | Neogen work instruction S-Elisa(Cr) | |
| | | Gliadin Allergen | AOAC RI 061201 | 2.5 ppm to 40 ppm |



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Accreditation is granted to the facility to perform the following testing:

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.
2. Laboratory performs testing to ISO/IEC 17025:2017 to the above scope for certifying bodies that may comply with ISO/IEC 17065:2012 under the provisions of section 6.2, 7.4, and 7.7 of that standard.

