



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Murray Brown Laboratories
4150 Jason Street, Denver, CO 80211

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

ISO/IEC 17025:2005

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 January 2009):

Biological & Chemical Testing
(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:

Initial Accreditation Date:

July 3, 2012

Issue Date:

July 10, 2014

Expiration Date:

September 30, 2016

Tracy Szerszen
President/Operations Manager

Accreditation No.:

72716

Certificate No.:

L14-187

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.pjilabs.com



Certificate of Accreditation: Supplement

Murray Brown Laboratories

4150 Jason Street, Denver, CO 80211

Contact Name: John Murray Phone: 303-296-0264

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	Food / Nutritional / Dietary Supplements/ Environmental Samples	E. coli O157:H7 ^F	AOAC 070801 RapidChek AOAC 031002 PCR via BAX	Qualitative Pathogen Testing Presence / Absence 1 CFU/sample
		Listeria spp. ^F	AOAC 020401 RapidChek AOAC 030502 PCR via BAX	
		Listeria monocytogenes ^F	AOAC 070202 PCR via BAX	
		Salmonella spp. ^F	AOAC 081201 & 2013.02 PCR via BAX	
		Aerobic Plate Count ^F	AOAC 990.12 Petrifilm	Quantitative Analyses 1 CFU/sample CFU/g CFU/mL CFU/cm ²
		Total Coliform Plate Count ^F	AOAC 991.14, 998.08 Petrifilm	
		Generic E. coli Plate Count ^F		
		Staphylococcus aureus Plate Count ^F	AOAC 2003.07, 2003.11 Petrifilm	
		Enterobacteriaceae spp. Plate Count ^F	AOAC 2003.01 Petrifilm	
		Yeast and Mold Plate Count ^F	AOAC 121301 Petrifilm	
		Lactic Acid Bacteria Plate Count ^F	APHA CMMEF 19.571 Petrifilm	
Chemical	Food / Nutritional / Dietary Supplements	Total Fat ^F	AOAC 991.36 Soxtec Solvent Extraction	0.1 to 100%
		Total Moisture ^F	AOAC 950.46 Loss on Drying Convection Oven	0.1 to 100%
		Total Protein ^F	AOAC 992.15 LECO Combustion Method	0.1 to 100%
		Water Activity ^F	Decagon AquaLab Chilled-Mirror, Dew Point & Capacitance Method	0.030 to 1.000 a _w
		pH ^{FO}	Water: APHA SM 4500-H ⁺ B	0.0 to 14.0 pH *
			Food: AOAC 981.12, USDA/FSIS MLG Ch 2	0.0 to 14.0 pH *
	Dairy: APHA SMEDP 15.022	0.0 to 14.0 pH *		

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Total Fat^F would mean that the laboratory performs this testing at its fixed location.
2. The presence of a superscript FO means that the laboratory performs testing of the indicated parameter both at its fixed location and onsite at customer locations. Example: pH^{FO} would mean that the laboratory performs this testing at its fixed location and onsite at customer locations.
3. * 1.0 molar HCL used for pH 0 standard