



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:

Tracy Szerszen
President/Operations Manager

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

Initial Accreditation Date:

July 3, 2012

Issue Date:

July 15, 2016

Expiration Date:

August 31, 2018

Accreditation No.:

72716

Certificate No.:

L16-293

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 RI 061505 PCR via Gene-UP AOAC 031002 PCR via BAX	Qualitative Pathogen Testing Positive/Negative 1 CFU/sample
		Listeria spp. ^F	AOAC RI 081401 PCR via BAX	
		Listeria monocytogenes ^F	AOAC RI 121402 PCR via BAX	
		Salmonella spp. ^F	AOAC RI 081201 & AOAC 2013.02 PCR via BAX AOAC RI 061504 PCR via Gene-UP	
		STEC (E. coli O26, E. coli O45, E. coli O103, E. coli O111, E.coli O121, and E. coli O145) ^F	AOAC RI 091301 PCR via BAX	
		Aerobic Plate Count ^F	AOAC 990.12 Petrifilm	Quantitative Analyses 1 CFU/mL 10 CFU/g CFU/cm ²
		Total Coliform Plate Count ^F	AOAC 991.14 & AOAC 998.08 Petrifilm	
		Generic E. coli Plate Count ^F		
		Staphylococcus aureus Plate Count ^F	AOAC 2003.07 & AOAC 2003.11 Petrifilm	
		Enterobacteriaceae spp. Plate Count ^F	AOAC 2003.01 Petrifilm	
	Yeast and Mold Plate Count ^F	AOAC RI 121301 Petrifilm		
	Lactic Acid Bacteria Plate Count ^F	APHA CMMEF 19.571 Petrifilm		
	Aerobic Bacteria ^F (AC)	AOAC RI 121204 bioMerieux TEMPO		
	Bacillus cereus ^F (BC)	AOAC RI 071401 bioMerieux TEMPO		
	Staphylococcus aureus ^F (STA)	AOAC RI 120901 bioMerieux TEMPO		
	Coliform Bacteria ^F (CC)	AOAC RI 060702 bioMerieux TEMPO		
	Enterobacteriaceae ^F (EB)	AOAC RI 050801 bioMerieux TEMPO		
	Escherichia coli ^F (EC)	AOAC RI 080603 bioMerieux TEMPO		
	Lactic Acid Bacteria ^F (LAB)	MBL SOP 022 bioMerieux TEMPO		
	Yeast and Mold ^F (YM)	AOAC RI 041001 bioMerieux TEMPO		



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Chemical	Food / Nutritional / Dietary Supplements	Crude 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 %
		Crude 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 a _w to 1.000 a _w
		pH ^{FO}	Water: APHA SM 4500-H ⁺ B	0 pH to 14 pH *
			Food: AOAC 981.12, USDA/FSIS MLG Ch 2	0 pH to 14 pH *
			Dairy: APHA SMEDP 15.022	0 pH to 14 pH *
		Ash ^F	Flour: AOAC 923.03	0.1 % to 100 %
			Meat: AOAC 920.153	
Salt ^F	AOAC 935.47			

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