PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Element Materials Technology Food US LLC

12003 N.E. Ainsworth Circle, Suite 105, Portland, OR 97220

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

ISO/IEC 17025:2017

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):

Biological and 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

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
June 05, 2014	March 18, 2023	May 31, 2025

Accreditation No:	*Certificate No:*
52833	L23-228

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.pjlabs.com

Certificate of Accreditation: Supplement

Element Materials Technology Food US LLC

12003 N.E. Ainsworth Circle, Suite 105, Portland, OR 97220
Contact Name: Mr. Matt Johnson Phone: 503-253-9136

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 products, Environmental, Water and Supplements	Aerobic Plate Count	FDA BAM Online Ed. Ch. 3; CMMEF 4th Ed. Ch. 6.3 & 7.0 (Modified)	D.L. = 10 CFU/g (Solids) D.L. = 1 CFU/mL (Liquids)
		Aerobic Plate Count	AOAC 2015.13 (Petrifilm)	
		Yeast and Mold	FDA BAM Online Ed. Ch. 18; CMMEF 4th Ed. Ch. 20.2; CMMEF 3rd 16.52 (Modified)	
		Yeast and Mold Rapid	AOAC RI 121301 (Petrifilm)	
		Coliform	AOAC 991.14 (Petrifilm)	
		E. coli		
		Enterobacteriaceae	AOAC 2003.01 (Petrifilm)	
		Staphylococcus aureus	AOAC 2003.07 (Petrifilm)	
		STEC	AOAC RI 091301 (BAX PCR) (Real-Time)	Presumptive Positive / Negative
		Salmonella	AOAC R1 080601 (ELISA)	
			AOAC 2003.09 (PCR)	
			AOAC RI 051303 (SureTect PCR)	
		Listeria	AOAC RI 020401 (ELISA)	
			AOAC RI 030502 (PCR)	
			AOAC RI 071304 (SureTect PCR)	
		Listeria monocytogenes	AOAC 2003.12 (PCR)	
			AOAC RI 061302 (SureTect PCR)	
		E. coli O157:H7	AOAC RI 070801 (ELISA)	
			AOAC RI 050501 (PCR)	
			AOAC RI 021501 (SureTect PCR)	
Chemical [F]		Ash	AOAC 923.03	D.L. = 0.1 %
		Fat	AOAC 960.39	
		Moisture	AOAC 925.10	
		Protein	AOAC 981.10	

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Chemical [F]	Food products, Environmental, Water and Supplements	**Minerals:** Sodium Potassium Calcium Iron	EPA 7000B (modified)	 D.L. = 1 mg/kg (Na) D.L. = 0.4 mg/kg (K) D.L. = 0.2 mg/kg (Ca) D.L. = 0.2 mg/kg (Fe)
		Heavy Metals: Arsenic Lead Cadmium Chromium	EPA 7010 (Modified)	 D.L. = 0.001 mg/kg (As, Cr) D.L. = 0.000 5 mg/kg (Pb, Cd)
		Sorbic Acid/Benzoic Acid	Internal HPLC Method SOP C250 rev. 5	D.L. = 0.1 mg/kg
		Vitamin C	Journal of Chromatography A, 881 (2000) 309-316 (modified)	D.L. = 1 mg/100g
		Water Activity	AOAC 978.18	0.021 Aw to 1 Aw
		pH	AOAC 981.12	1.68 pH to 12.46 pH

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.