



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

RJ Analytical LLC

1559 W 2740 N, Suite B, Pleasant View, UT 84404

*(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):

Chemical, Microbiological, and Environmental 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

Initial Accreditation Date:

April 10, 2022

Issue Date:

April 10, 2022

Expiration Date:

July 31, 2024

Accreditation No.:

114952

Certificate No.:

L22-279

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.pjlab.com*



Certificate of Accreditation: Supplement

RJ Analytical LLC

1559 W 2740 N, Suite B, Pleasant View, UT 84404
Contact Name: Richard Mickelsen Phone: 801-807-8248

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
Chemical ^F	Dietary Supplements	Beta carotene	RJA-Beta-Carotene	MDL: 0.12 µg/g
		Retinol acetate	RJA-VitA-01	MDL: 0.10 µg/g
		Retinol palmitate		MDL: 0.29 µg/g
		Thiamine HCl	RJA-VitB-01	MDL: 0.61 µg/g
		Riboflavin 5'-phosphate		MDL: 0.10 µg/g
		Niacin		MDL: 0.34 µg/g
		Niacinamide		MDL: 0.22 µg/g
		Calcium pantothenate		MDL: 0.32 µg/g
		Pyridoxine HCl		MDL: 0.31 µg/g
		Riboflavin		MDL: 0.36 µg/g
		Pyridoxal 5'-phosphate	RJA-VitB6-5P-01	MDL: 0.41 µg/g
		Ascorbic acid	RJA-VitC-01 (USP Monograph for Ascorbic Acid, Modified)	LOQ: 26.418 mg
		Cholecalciferol	RJA-FS-01	MDL: 0.6 µg/g
		Menaquinone-4		MDL: 0.3 µg/g
		Menaquinone-7		MDL: 0.3 µg/g
		Tocopherol	RJA-VitE-01	MDL: 0.47 µg/g
		Tocopherol acetate		MDL: 0.45 µg/g
		Tocopherol succinate		MDL: 0.37 µg/g
		Quercetin	RJA-Flavonoids	MDL: 0.13 µg/g
		Rutin		MDL: 0.22 µg/g
		Caffeine	RJA-Caffeine	MDL: 0.21 µg/g
		Coenzyme Q10	RJA-CoQ10-01	MDL: 0.60µg/g
		Glucosamine	AOAC 2005-01	MDL: 0.71 µg/g
		Acid digestion	RJA-3050B (EPA 3050B, Modified)	Not Applicable
		Mercury	RJA-DMA (EPA 7473)	MDL: 10 ng/g
		Arsenic (As)	RJA-ICP-MS (EPA 200.8, Modified; USP 39 <730>)	MDL: 0.1 µg/g
		Cadmium (Cd)		MDL: 0.1 µg/g
		Lead (Pb)		MDL: 0.3 µg/g



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Chemical ^F	Dietary Supplements	Potassium (K)	RJA-FAA (EPA 7000B)	MDL: 30 µg/g
		Sodium (Na)		MDL: 0.09 µg/g
		Aluminum (Al)	RJA-ICP-OES (EPA	MDL: 50 ng/g
		Antimony (Sb)		MDL: 11 ng/g
		Barium (Ba)		MDL: 17 ng/g
		Beryllium (Be)		MDL: 7.2 ng/g
		Boron (B)		MDL: 80 ng/g
		Calcium (Ca)		MDL: 50 ng/g
		Chromium (Cr)		MDL: 25 ng/g
		Cobalt (Co)		MDL: 30 ng/g
		Copper (Cu)		MDL: 42 ng/g
		Iron (Fe)		MDL: 43 ng/g
		Magnesium (Mg)		MDL: 42 ng/g
		Manganese (Mn)		MDL: 10 ng/g
		Molybdenum (Mo)		MDL: 30 ng/g
		Nickel (Ni)		MDL: 26 ng/g
		Selenium (Se)		MDL: 15 ng/g
		Silicon (Si)		MDL: 54 ng/g
		Silver (Ag)		MDL: 9.0 ng/g
		Thallium (Tl)		MDL: 18 ng/g
		Titanium (Ti)		MDL: 18 ng/g
		Vanadium (V)		MDL: 25 ng/g
		Zinc (Zn)		MDL: 22 ng/g
		FT-IR spectra comparison	USP <197> FTIR (USP 39 <197>)	Not Applicable
		pH	USP <791> pH (USP 39 <791>)	Range: 0.00 - 14.00 SU
		Osmolality	RJA-Osmo-VP (USP 39 <785>, Modified)	Range: 100 mOsm/kg to 1 000 mOsm/kg
		Osmolality	RJA-Osmo-FP (USP 39 <785>, Modified)	Range: 0 mOsm/kg to 3 000 mOsm/kg
		Loss on drying	RJA-Loss on Drying (USP 39 <731>, Modified)	MDL: 0.01 %
		Average capsule weight	RJA-CapWeight	MDL: 1 mg
		Average tablet weight		
		Density	RJA-Density	MDL: 0.1 mg/mL
		Total Kjeldahl Nitrogen	RJA-Protein (Hach 10242, Modified)	MDL: 0.51 mg/L



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Chemical ^F	Dietary Supplements	Protein content	RJA-Protein (Hach 10242, Modified)	MDL: 0.16 mg/g
		Vitamins/Minerals and other Dietary supplement Compounds	GP-15-10	N/A
Microbiological ^F	Dietary supplements Surface Swaps Compressed air	Total plate count	USP 39 <2021>	MDL: 100 CFU/g
		Total coliform count		MDL: 10 CFU/g
		Yeast/mold count		MDL: 100 CFU/g
		Enterobacterial (Coliform) count		MDL: 10 CFU/g
		E. coli	USP 39 <2022>	MDL: Negative CFU/25g
		Staphylococcus aureus		
		Salmonella		
		Microorganisms Testing	GP-15-11	N/A
Environmental ^F	Non-potable water	Ammonia	Hach 10205	MDL: 0.03 mg/L
		Nitrate	Hach 10206	MDL: 0.18 mg/L
		Nitrite	Hach 10207	MDL: 0.01 mg/L
		Ortho-phosphorus	Hach 10209	MDL: 0.06 mg/L
		Total phosphorus	Hach 10210	MDL: 0.10 mg/L
		Total Kjeldahl nitrogen	Hach 10242	MDL: 0.51 mg/L
		Chlorine Residual	SM 4500 (Cl) G (Standard Methods, 22nd Ed.)	MDL: 0.02 mg/L
		Dissolved oxygen	SM 4500 (O) G (Standard Methods, 22nd Ed.)	MDL: 1.0 mg/L
		Biochemical oxygen demand	SM 5210 B (Standard Methods, 22nd Ed.)	MDL: 6.3 mg/L
		pH	SM 4500 (H+) B (Standard Methods, 22nd Ed.)	Range: 0 S.U. to 14 S.U.
		Total suspended solids	SM 2540 D (Standard Methods, 22nd Ed.)	MDL: 0.34 mg/L
		Total coliform	Colilert (IDEXX)	P/A
		E. coli		
Environmental ^O	Potable water	Conductivity	SM 2510 B (Standard Methods, 22nd Ed.)	MDL: 199.1 μ S



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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.

