PrymaLab
PRYMALAB ANALYTICAL · IN-HOUSE LABORATORY
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CERTIFICATE NO.
PL-26-00272
VERIFICATION KEY
F2USY6J4
Scan or enter both at prymalab.net/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE

Pryma SUPER Human Blend 790 mg

Lot **PL-2610-160** · Lyophilized powder · Label claim **790 mg total/vial**

TESTED IN-HOUSE BY PRYMALAB
In-house analytical result, not an independent third-party test

LOT / BATCH NUMBER	DATE MADE	DATE OF ANALYSIS	DATE ISSUED
PL-2610-160	2026-10-06	2026-10-07	2026-10-21
RETEST / EXPIRY	**UNITS IN LOT / SAMPLED**	**STORAGE**	**CERTIFICATE TYPE**
2028-10-06	230 / 2	—	Lot COA, 2 pages

COMPOUND	CAS NUMBER	MOLECULAR FORMULA	THEORETICAL MASS (AVG.)
SUPER Human Blend Amino acid research blend (8 components)	n/a (blend)	Not applicable (blend)	n/a

COMPOSITION AND SEQUENCES
Carnitine 215.9 mg: mg/vial · **Citrulline 120.2 mg**: mg/vial · **Arginine 109.2 mg**: mg/vial · **Ornithine 110.8 mg**: mg/vial · **Lysine 70.2 mg**: mg/vial · **Proline 59.4 mg**: mg/vial · **Taurine 61.4 mg**: mg/vial · **Glutamine 41 mg**: mg/vial

PURITY · RP-HPLC, AREA %
—
Not applicable: multi-component blend (no single-compound purity); see content

TOTAL CONTENT · AAA + HPLC
788.1 mg
Per vial • specification 750–830 mg/vial • identity by amino acid analysis + co-elution

OVERALL CONCLUSION
PASS
Meets every specification for the tests performed

TEST	METHOD	SPECIFICATION	RESULT	CONCLUSION
Identity	Amino acid analysis + co-elution	Matches standards	Matches standards	**PASS**
Total content	AAA + HPLC	750–830 mg/vial	788.1 mg/vial	**PASS**
Water content	Karl Fischer	≤ 5.0 %	2.39 %	**PASS**
Bacterial endotoxin	LAL, kinetic	≤ 5.0 EU/mg	0.039 EU/mg	**PASS**
Sterility	USP <71>, 14-day	No growth	No growth	**PASS**
Carnitine	AAA + HPLC	Reported	215.9 mg/vial	—
Citrulline	AAA + HPLC	Reported	120.2 mg/vial	—
Arginine	AAA + HPLC	Reported	109.2 mg/vial	—
Ornithine	AAA + HPLC	Reported	110.8 mg/vial	—
Lysine	AAA + HPLC	Reported	70.2 mg/vial	—
Proline	AAA + HPLC	Reported	59.4 mg/vial	—
Taurine	AAA + HPLC	Reported	61.4 mg/vial	—
Glutamine	AAA + HPLC	Reported	41 mg/vial	—

1 HPLC CHROMATOGRAM

Data file: PL-2610-160-HPLC.raw · Column — · UV —

Blend quantified against reference standards; component amounts are in the results table.

Components identified and quantified against reference standards; amounts are listed in the results table. No peak plot is drawn for this blend.

For laboratory research use only. Not for human or veterinary use.

2 HPLC METHOD · PL-2610-160-HPLC.RAW

INSTRUMENT	DATA SYSTEM	TECHNIQUE
Waters Alliance e2695	Empower 3	AAA + HPLC
COLUMN	**DETECTION WAVELENGTH**	**DATA FILE**
—	—	PL-2610-160-HPLC.raw

3 GRADIENT PROGRAM

TIME (MIN)	% A	% B

4 PEAK TABLE

PEAK	RT (MIN)	AREA	AREA %

Not applicable : components are quantified against reference standards (amounts in the table on page 1) · Purity = main peak area ÷ total integrated area × 100, to two decimals ; main peak shaded .

5 IDENTITY BY MASS SPECTROMETRY

NOT APPLICABLE

Identity by co-elution with reference standards and amino acid analysis ; no mass-spectrometry test

6 ADDITIONAL TESTS

TEST	PERFORMED BY	DATE	REPORT / FILE
Water content (Karl Fischer)	PrymaLab Analytical	2026-10-07	—
Endotoxin (LAL, kinetic)	PrymaLab Analytical	2026-10-07	—
Sterility (USP <71>, day-14 read-out)	PrymaLab Analytical	2026-10-21	—

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

D. Reynolds
Analyst · performed the testing
Date: 2026-10-21

S. Calloway
Reviewer · checked against raw data
Date: 2026-10-21

M. Phelps
Lab Director · approved for release
Date: 2026-10-21

Raw data retained at: Empower 3, project PL-2610, archive PL-ARC-2026 ; 7 years . Outside laboratory reports attached : None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached . Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound . Authenticity : scan the QR code or enter certificate number PL-26-00272 and key F2USY6J4 at prymalab.net/testing/verify ; any copy that does not match the record shown there is not a PrymaLab certificate . PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use .