



CERTIFICATE NO.	LAB SAMPLE ID	ISSUE DATE	REPORT STATUS
COA2026-00158	20260800360-20260800362	02 SEP 2026	FINAL

01 CLIENT & PRODUCT INFORMATION

Client organization	Bulk Peptide Supply	Client contact	support@bulkpeptidesupply.com
Product name	HUMANIN	Client lot / batch	HUM440013
Label claim	20 mg	Lab sample ID	20260800360-20260800362
Sample matrix	Lyophilized Powder	Quantity received	3
Container / closure	Clear Vial w/White Cap	Condition on receipt	Intact
Date received	31 AUG 2026	Testing period	01 SEP 2026
Storage condition	Ambient	Route / intended use	RUO

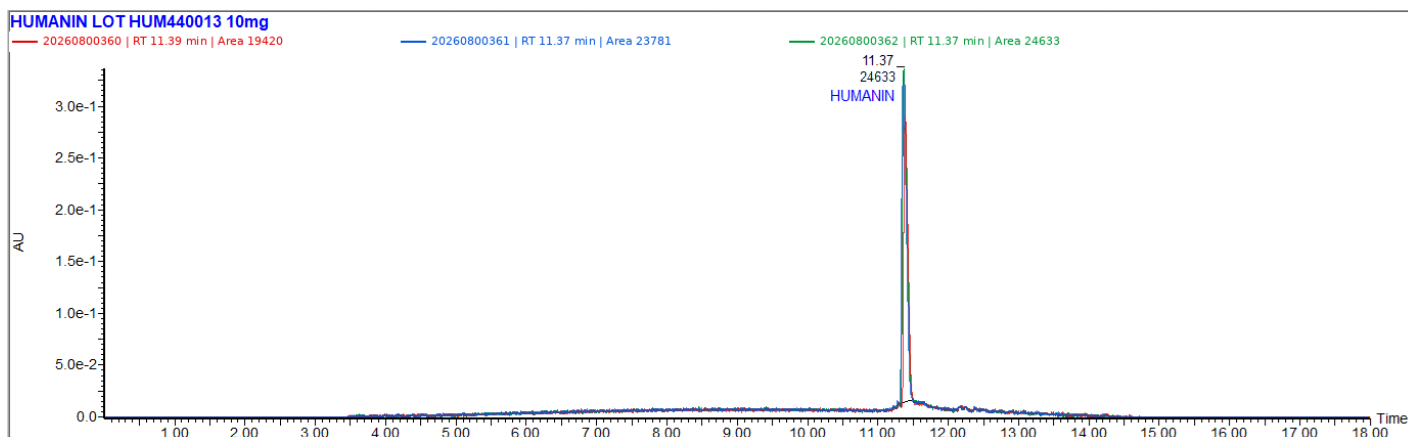
02 ANALYTICAL TEST RESULTS | Purity, identification and net content

Analysis	Method / SOP	Instrumentation	Result	Units	Acceptance criterion	Status
Purity	UPLC-UV	Acquity UPLC/PDA	99.74 AVG	% area	>99%	PASS
Identification	UPLC-MS	Waters Quattro Series	Conforms	—	Ionization profile match w/standard	PASS
Net content	Quantitative UPLC	Acquity UPLC/PDA	S1 – 9.98 S2 – 10.19 S3 – 10.26	mg/vial	±10%	PASS

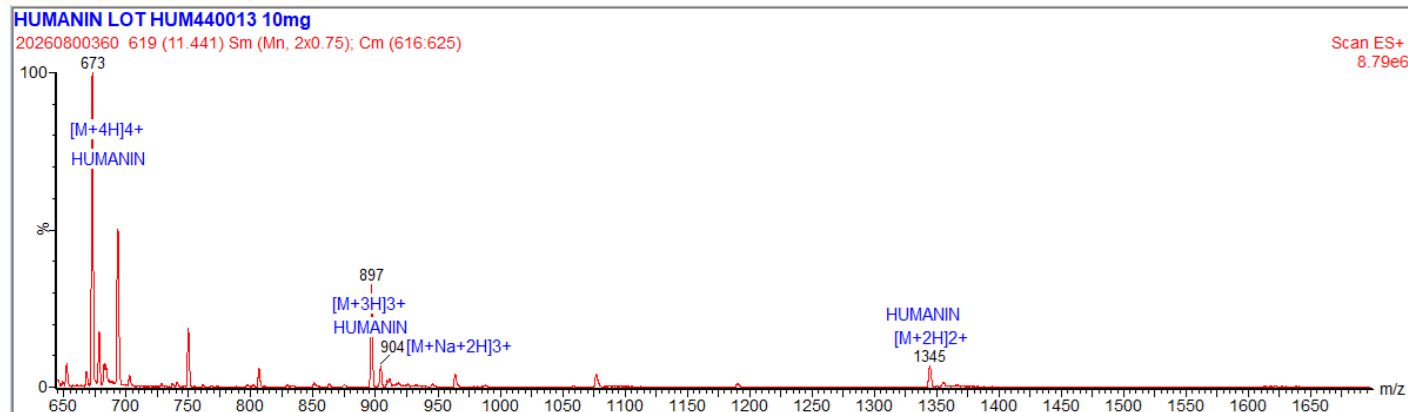
03 SUPPORTING ANALYTICAL EVIDENCE



PRODUCT AS RECEIVED



UV CHROMATOGRAM



MASS SPECTRUM / SPECTRA



04 HEAVY METALS SCREENING | ICP-MS | Elemental impurity results

Method	9 Metal Panel	Instrument / asset ID	Perkin Elmer SCIEX ELAN DRC II
Sample preparation	Digestion	Calibration model	Regression
Run / sequence ID	ACQC20260800360-2	Analysis date	01 SEP 2026

ELEMENTAL IMPURITY RESULTS

Analyte	Result (µg/L)	LOQ (µg/L)
Cadmium (Cd)	Non-detect	0.10
Lead (Pb)	Non-detect	0.20
Arsenic (As)	Non-detect	0.50
Mercury (Hg)	Non-detect	0.20
Cobalt (Co)	Non-detect	0.20
Vanadium (V)	Non-detect	0.20
Nickel (Ni)	Non-detect	0.50
Lithium (Li)	Non-detect	1.0
Antimony (Sb)	Non-detect	0.20



05 ENDOTOXIN ANALYSIS | Recombinant Factor C (rFC) fluorescence assay

Method	Recombinant Factor-c	Instrument / asset ID	Molecular Devices Gemini XPS
Assay / reagent	bioMerieux EndoZyme II	Standard	Kit-integrated
Sample preparation	Reconstitution in Endotoxin Free Water	Run / plate ID	0901P2-AVQC20260800360-2
Product limit	0.5 EU/mL (AV Analytics applies 2x USP limit for H2O, no USP endotoxin limit applies to RUO products)	Maximum valid dilution	1:100

Parameter	Result	Acceptance criterion	Units	Status
Endotoxin	S1 - 0.11 S2 - 0.21 S3 - .07	<0.5	EU/mL	PASS
Positive product control recovery	S1 - 96 S2 - 74 S3 - 102	50-200	%	PASS
Negative control	Non-Detect	<0.005	EU/mL	PASS
Standard curve / assay validity	.98	Correlation factor >0.94	R ²	PASS

06 AUTHORIZATION | Review, decision rule and release

Analyst	Jason Snitker	Technical reviewer	Vanessa Montoya, PhD
Authorized signatory	Vanessa Montoya, PhD	Decision rule	Document complete, fields correct, analysis reviewed
Deviations / qualifiers	None	Amendment history	N/A

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