



CERTIFICATE NO.	LAB SAMPLE ID	ISSUE DATE	REPORT STATUS
COA-2026-00998	20260800143	27-AUG-2026	FINAL

01 CLIENT & PRODUCT INFORMATION

Client organization	Bulk Peptide Supply	Client contact	support@bulkpeptidesupply.com
Product name	ARA-290	Client lot / batch	AR-3032
Label claim	ARA-290 10mg	Lab sample ID	20260800143
Sample matrix	Lyophilized Powder	Quantity received	1
Container / closure	Clear Vial w/Gray Cap	Condition on receipt	Intact
Date received	12 Aug 2026	Testing period	15 Aug 2026-27 Aug 2026
Storage condition	-80C Until Processed	Route / intended use	RUO

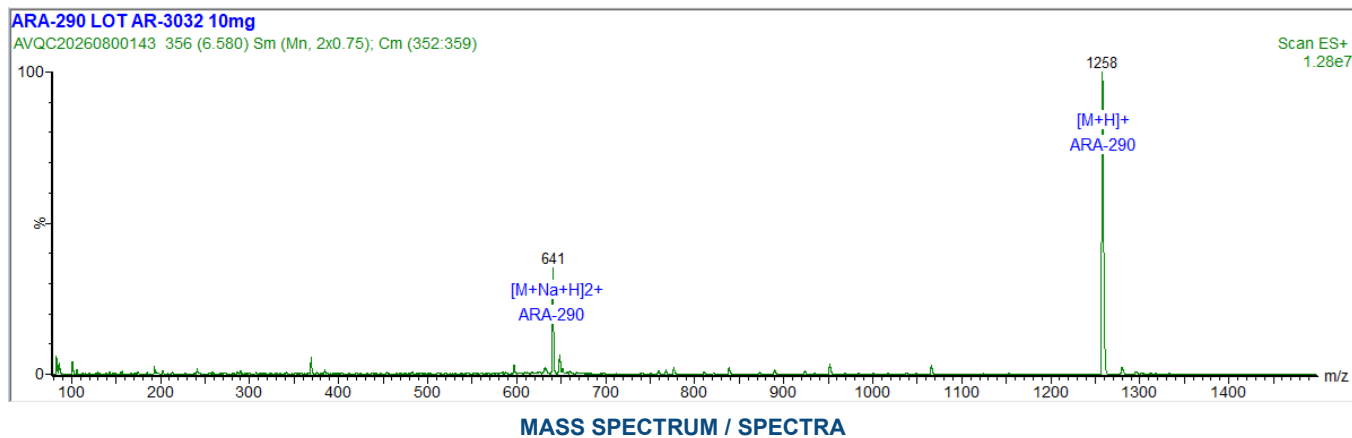
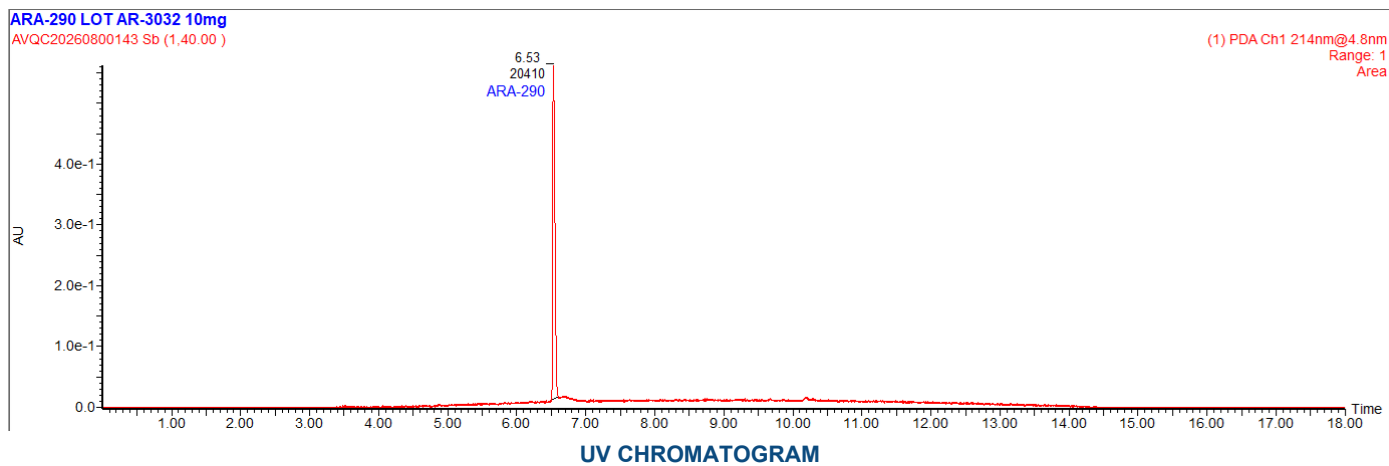
02 ANALYTICAL TEST RESULTS | Purity, identification and net content

Analysis	Method / SOP	Instrumentation	Result	Units	Acceptance criterion	Status
Purity	UPLC-UV	Acquity UPLC/PDA	99.79	% area	>99%	PASS
Identification	UPLC-MS	Waters Quattro Series	Conforms	—	Ionization profile match w/standard	PASS
Net content	Quantitative UPLC	Acquity UPLC/PDA	10.09	mg/vial	±10%	PASS

03 SUPPORTING ANALYTICAL EVIDENCE |



PRODUCT AS RECEIVED





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	ACQC20260800143	Analysis date	15 AUG 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	0816P3-AVQC20260800143
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	0.10	<0.5	EU/mL	PASS
Positive product control recovery	107	50-200	%	PASS
Negative control	Non-Detect	<0.005	EU/mL	PASS
Standard curve / assay validity	.97	Correlation factor >0.94	R ²	PASS

06 STERILITY / BIOBURDEN | Growth-based fluorescence or validated microbiological method

Method	Aerobic/Anaerobic	Instrument / asset ID	BacT/ALERT 3D
Test type	Rapid growth-based	Sample volume / dilution	1.5mL/bottle
Media / bottles	iAST/iNST	Incubation conditions	22.5/32.5 °C
Run / batch ID	0821M1-AVQC20260800143	Test period	96hr

Parameter	Result	Acceptance criterion	Time for observation	Status
Aerobic condition / bottle	No growth detected	No growth detected	96hr	PASS
Anaerobic condition / bottle	No growth detected	No growth detected	96hr	PASS
Negative control	No growth detected	No growth detected	96hr	PASS
Overall sterility conclusion	Conforms	No observed growth in sample/control	—	PASS

07 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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