AV ANALYTICS
Analytical Precision - Operational Excellence
INDEPENDENT ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Analytical results | Controlled laboratory report

CERTIFICATE NO.	LAB SAMPLE ID	ISSUE DATE	REPORT STATUS
COA-2026-00322	20260900248-20260900252	27 Sep 2026	FINAL

01 CLIENT & PRODUCT INFORMATION

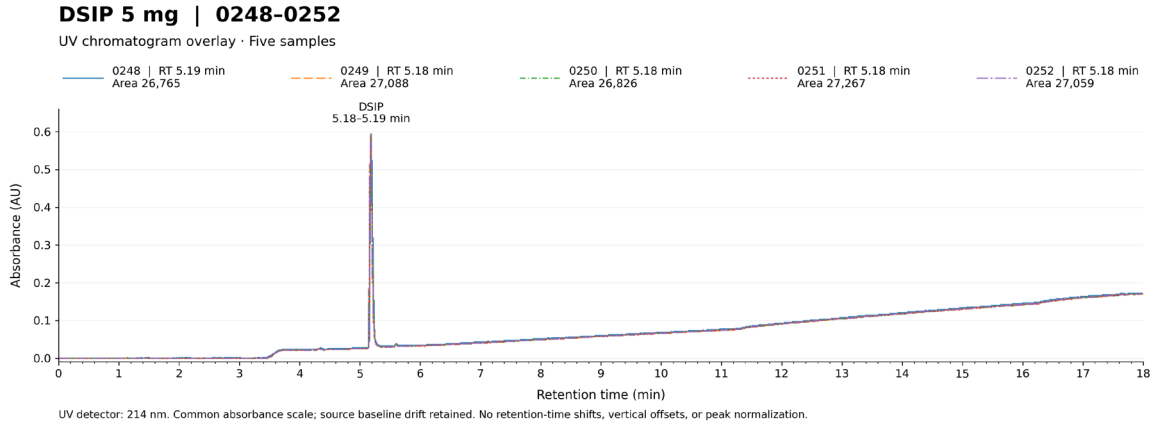
Client organization	Bulk Peptide Supply	**Client contact**	support@bulkpeptidesupply.com
Product name	DSIP	**Client lot / batch**	DS-BP-081526
Label claim	5 mg	**Lab sample ID**	20260900248-2026090052
Sample matrix	Lyophilized	**Quantity received**	5
Container / closure	Clear vial w/ white cap	**Condition on receipt**	Intact
Date received	23 Sep 2026	**Testing period**	25 Sep 2026
Storage condition	Ambient	**Route / intended use**	RUO

02 ANALYTICAL TEST RESULTS | Purity, identification and net content

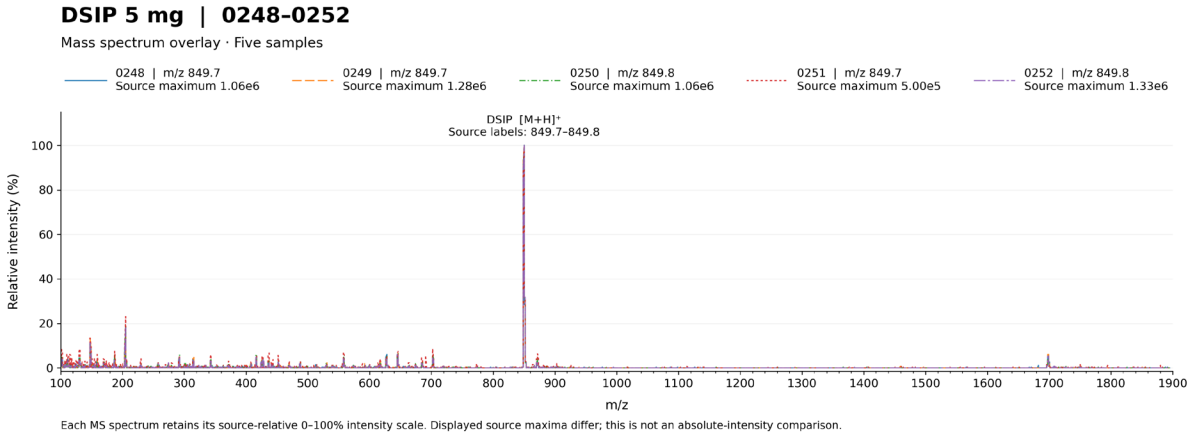
Analysis	Method / SOP	Instrumentation	Result	Units	Acceptance criterion	Status
Purity	UPLC-UV	Acquity UPLC/PDA	99.79 AVG	% area	>99%	PASS
Identification	UPLC-MS	Waters Quattro Series	Conforms	—	Ionization profile match w/standard	PASS
Net content	Quantitative UPLC	Acquity UPLC/PDA	0248- 5.06 0249- 5.12 0250- 5.07 0251- 5.13 0252- 5.11	mg/vial	±10%	PASS

03 SUPPORTING ANALYTICAL EVIDENCE |

PRODUCT AS RECEIVED



UV CHROMATOGRAM



MASS SPECTRUM / SPECTRA

04 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**	*0925P3-AVQC20260900248-20260900252*
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	*0248- 0.07* *0249- 0.09* *0250- 0.14* *0251- 0.11* *0252- 0.04*	*<0.5*	*EU/mL*	*PASS*
Positive product control recovery	*109* *97* *114* *76* *88*	*50-200*	*%*	*PASS*
Negative control	*Non-Detect*	*<0.005*	*EU/mL*	*PASS*
Standard curve / assay validity	*.98*	*Correlation factor >0.94*	R^2	*PASS*

05 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**	*NA*

Report conditions: Results are analytical findings for the item tested and do not constitute an endorsement of product safety, efficacy or regulatory status. Unless otherwise stated, this certificate may be reproduced only in full with written approval from AV Analytics.