CoreMass Laboratories

Certificate of Analysis

Independent analytical testing · Alberta, Canada · info@coremasslaboratories.com

REPORT NO.
VOLT3211798

ISSUED
Nov 13, 2026

SAMPLE
DSIP
10 mg vial

HPLC PURITY
99.72%

IDENTITY
Confirmed

NET CONTENT
13.11 mg



Vial as received

CLIENT	Volta Peptides
ORDER ID	321023
LOT / BATCH	VPDS10100
LABEL CLAIM	10 mg
APPEARANCE	White lyophilized powder
VIALS RECEIVED	2
RECEIVED	Nov 11, 2026
ANALYSIS COMPLETED	Nov 13, 2026

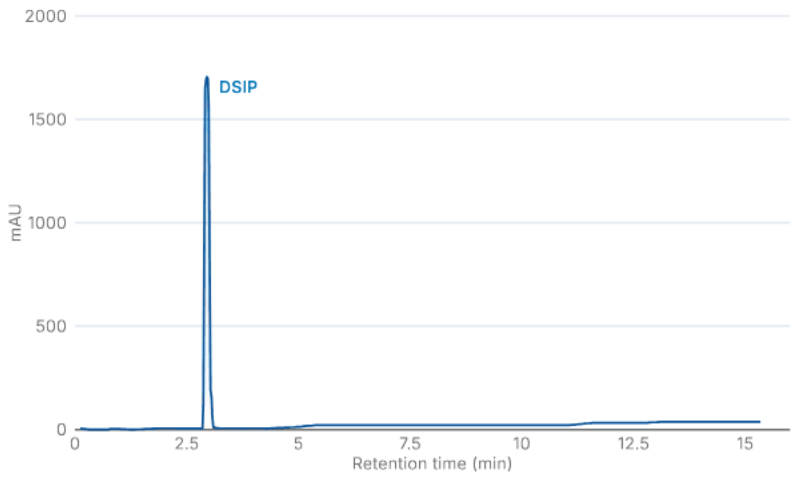
TEST PANELS

✓ All 7 requested panels meet specification or are reported

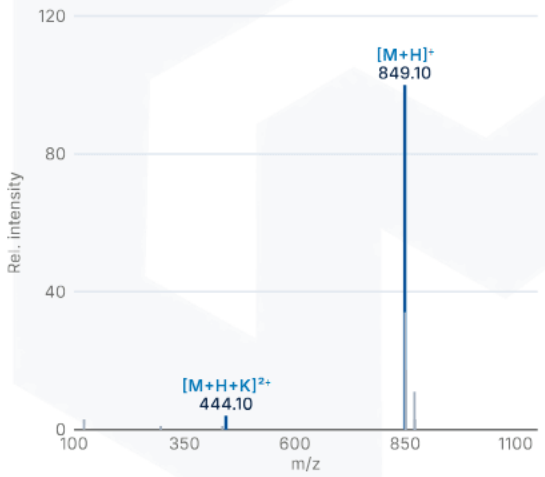
	PANEL AND METHOD	SPECIFICATION	RESULT	STATUS
01	**Purity** Reversed-phase HPLC with UV detection, area percent	≥ 98.0%	**99.72%**	✓ Conforms
02	**Identity** HPLC coupled with electrospray mass spectrometry	Matches DSIP	**Confirmed** DSIP	✓ Conforms
03	**Net Peptide Content** Quantified against a calibrated reference-standard curve	Report only	**13.11 mg** 131.1% of label	Reported
04	**Bacterial Endotoxin** Limulus Amebocyte Lysate (LAL) assay per USP <85>	Pass	**Pass**	✓ Conforms
05	**Microbial Screen** Polymerase chain reaction, microbial DNA	Not detected	**Not detected**	✓ Conforms
06	**Elemental Impurities** ICP-MS · As, Cd, Pb, Hg	Below limits	**Pass**	✓ Conforms
07	**Fentanyl Screen** Targeted fentanyl screen	Not detected	**Not detected**	✓ Conforms

CHROMATOGRAM AND MASS CONFIRMATION

HPLC-UV · PDA — DSIP main peak · purity 99.72%



LC-MS · ESI positive — DSIP charge states



Verify this report

Scan the QR code or enter the report number at coremasslaboratories.com. Full panel data is on page 2.

Results relate only to the sample as received. Sample names, lot numbers and label claims are supplied by the client and are not independently verified. Research-use laboratory testing, not a clinical or diagnostic service. CoreMass Laboratories does not manufacture, sell or endorse any tested material. Reproduce only in full.

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Analytical Detail

REPORT NO.
V0LT3211798
DSIP · Nov 13, 2026

01 Purity

✓ Conforms

Reversed-phase HPLC with UV detection, area percent

Sample 1 **99.72%** Sample 2 **99.71%**

Sample	Purity (area %)	Status
Sample 1	99.72	Pass
Sample 2	99.71	Pass

Main peak area as a share of total integrated peak area.

02 Identity

✓ Conforms

HPLC coupled with electrospray mass spectrometry

Target	Result	Status
DSIP	Confirmed	Pass

Identity confirmed as DSIP by LC-MS.

03 Net Peptide Content

Reported

Quantified against a calibrated reference-standard curve

Sample 1 **13.07 mg** Sample 2 **13.11 mg** Label claim **10 mg**

Sample	Measured	% of label
Sample 1	13.07 mg	130.7%
Sample 2	13.11 mg	131.1%

Measured peptide content per vial.

04 Bacterial Endotoxin

✓ Conforms

Limulus Amebocyte Lysate (LAL) assay per USP <85>

Assay sensitivity **≤ 0.05 EU/mL** Replicates **2**

Measure	Assay sensitivity	Status
Replicate 1	≤ 0.05 EU/mL	Pass
Replicate 2	≤ 0.05 EU/mL	Pass

Endotoxin testing performed using Limulus Amebocyte Lysate assay in accordance with USP <85> under validated laboratory conditions.

05 Microbial Screen

✓ Conforms

Polymerase chain reaction, microbial DNA

Assay **PCR, common microbial contaminants**

Target	Result	Status
Microbial DNA	No detectable microbial DNA	Pass

Detects microbial DNA. Does not distinguish live from dead organisms and is not a USP <71> culture sterility test.

06 Elemental Impurities

✓ Conforms

ICP-MS · As, Cd, Pb, Hg

Elements **As, Cd, Pb, Hg**

Element	Result	Status
Arsenic (As)	Below reporting/specification limit	Pass
Cadmium (Cd)	Below reporting/specification limit	Pass
Lead (Pb)	Below reporting/specification limit	Pass
Mercury (Hg)	Below reporting/specification limit	Pass

Arsenic, cadmium, lead and mercury were below reporting/specification limits.

07 Fentanyl Screen

✓ Conforms

Targeted fentanyl screen

Analyte	Result	Status
Fentanyl	No fentanyl detected	Pass

No fentanyl detected.

Reading this report

- **Conforms** means the result met the listed specification. **Reported** means a measured value with no pass or fail limit.
- Purity is the share of detected material that is the target compound. Net content is the measured amount in the vial. A sample can be highly pure and still hold less than its label states.
- ND means not detected, below the limit of detection (LOD). LOQ is the limit of quantification.
- Endotoxin and PCR testing use their own sealed vials, listed on each panel.

SHA-256 REPORT HASH

2c6b9710f3846336eb73df6e48247f5a34a0f3b83cacd1bd1b47296ba43d05ca

Original issue. Results relate only to the sample as received. Sample names, lot numbers and label claims are supplied by the client and are not independently verified. Research-use laboratory testing, not a clinical or diagnostic service. CoreMass Laboratories does not manufacture, sell or endorse any tested material. Reproduce only in full.