CRAFA
PEPTIDE & COMPOUND ANALYSIS

Independent Peptide & Research-Compound Testing
14 Mill Lane, Cambridge, United Kingdom

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-2090
Issued: 2026-10-16

PRODUCT IDENTIFICATION

PRODUCT
DSIP 10 mg

SKU / INTERNAL CODE
CRF-2026-2090

PRESENTATION
Lyophilised powder, 10 mg vial

BATCH NUMBER
LOT-2610-2090

CLIENT
veltispeptides.mx

SAMPLE RECEIVED
2026-10-11

ANALYSIS DATE
2026-10-14

PRODUCTION DATE
2026-10-09

ISSUED
2026-10-16

EXPIRY / RETEST
2028-10-16

MOLECULAR FORMULA
C35H48N10O15

MOLECULAR WEIGHT
848.8

CAS NUMBER
62568-57-4

ANALYTICAL METHOD

PANEL
SILVER - HPLC-UV + LC-MS/MS + ICP-MS (Pb/As/Cd/Hg) + LAL endotoxin

METHOD
RP-HPLC-UV 214 nm · LC-MS/MS ESI Q-TOF · ICP-MS · LAL kinetic chromogenic (USP <85>)

INSTRUMENT
Thermo Q-Exactive · Agilent 7900 ICP-MS · Charles River Endosafe nexgen-PTS

Column: C18 4.6×150mm | Temperature: 35°C | Mobile phase: 0.1% TFA H2O / ACN | Flow: 1.0 mL/min | Retention time: 6.2 min

1. PURITY & ASSAY - RP-HPLC-UV (214 nm)

Test	Specification	Result	Status
HPLC Purity	≥98.0%	99.5%	PASS
Quantity	95.0-105.0%	9.98 mg (99.8%)	PASS

2. LC-MS/MS STRUCTURAL CONFIRMATION

Test	Reported data	Status
Theoretical [M+H]+	850.4 | Observed: 850.5 | Δ +0.10 Da	PASS
Sequence Coverage (MS/MS)	≥95% | 100% (Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-Glu, 9 aa)	PASS
Key fragments	b2 301.1 · b4 415.2 · y4 407.2 · y6 564.2	PASS
Modifications	N-terminal Trp free (no acetylation), C-terminal Glu free acid, Trp oxidation <0.3%	PASS

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3. HEAVY METALS - ICP-MS (USP <232>/<233>)

Test	Specification	Result	Status
Pb	≤5.0 µg/g	<0.05 µg/g	PASS
As	≤15.0 µg/g	<0.10 µg/g	PASS
Cd	≤2.0 µg/g	<0.02 µg/g	PASS
Hg	≤3.0 µg/g	<0.01 µg/g	PASS

4. ENDOTOXIN - LAL kinetic chromogenic (USP <85>)

Test	Reported data	Status
Result	<1.0 EU/mg limit | 0.22 EU/mg | PPC recovery 88%	PASS

FINAL BATCH RESULT

PASS - Conforms to specifications

ANALYST NOTES

Delta-sleep-inducing peptide, nonapeptide. Acetate salt 5.8% w/w. No aggregation; reconstitution clear at 2 mg/mL.

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