CERTIFICATE OF ANALYSIS

Product: DSIP(5mg/vial)

Peptide Name	DSIP	Molecular Formula	$C_{35}H_{48}N_{10}O_{15}$
Molecular Weight	848.8	CAS No.	62568-57-4
Lot Number	DS5-20260811	Specifications	5mg/vial
Manufacturing Date	2026/8/11	Report Date	2026/8/25
Re-test Date	2028/8/10	Storage Condition	-25°C to -5°C (Protect from light)

Tests	**Specifications**	**Results**
Appearance	White powder,No visible foreign bodies	Conforms
Solubility	Soluble in water	Conforms
Content determination (HPLC, per bottle)	4.0 mg ~ 5.5 mg	5.11mg
Purity (HPLC)	≥99.0%	99.27%
Water Content (Karl Fischer)	≤3.0%	2.36%
pH	4.0-6.5	5.5
Related Substance (By HPLC)	Total Impurities (%) ≤2.0%	0.73%
	Largest Single Impurity (%) ≤1.0%	0.44%
Residual Solvents	Methanol：≤0.3%	0.21%
	Acetonitrile：≤0.041%	0.022%
	Ethyl Acetate：≤0.5%	0.34%
Acetate Content (HPLC)	< 12.0%	9.26%
Heavy Metals	≤10ppm（Pb、As、Cd、Hg）	Conforms
Sterility Test	Aseptic growth should be ensured	Conforms
Bacterial Endotoxin	<5EU/mg	Conforms
Content Uniformity	shall comply with regulations	Conforms
Result(of inspection)	This product was tested according to corporate quality standards, with results conforming to regulations.	

Analyst: Wuyan | Reviewed by: Zhang Lin | Authorized by: Wenbin

For research use only. Direct human application is prohibited.

Document ID: COA-DS-5mg-20260825-V1.1