

CERTIFICATE OF ANALYSIS

1. PRODUCT INFORMATION

Product Name	MOTS-C Peptide
CAS Number	NA
Molecular Formula	NA
Form	Lyophilized powder
Molecular Weight	NA
Batch / Lot Number	PE20260226
Manufacturing Date	02/26/2026
Report Date	02/27/2026
Retest Date	02/25/2028
Quantity	10 mg
Storage Conditions	Light-proof, sealed, stored at -20°C

2. GENERAL PROPERTIES

No.	Test Parameter	Specification	Result	Status
2.1	Appearance	White powder	Conforms	Pass
2.2	Solubility	Soluble in water	Conforms	Pass
2.3	Water Content (K.F.)	NMT 10.0%	5.4%	Pass
2.4	Acetic Acid	NMT 15.0%	10.6%	Pass

3. RESIDUAL SOLVENTS

No.	Test Parameter	Specification	Result	Status
3.1	Methanol	NMT 300 ppm	N.D.	Pass
3.2	Isopropanol	NMT 500 ppm	N.D.	Pass
3.3	Acetonitrile	NMT 410 ppm	155 ppm	Pass
3.4	Methylene Chloride	NMT 600 ppm	N.D.	Pass

4. RELATED SUBSTANCES (HPLC)

No.	Test Parameter	Specification	Result	Status
4.1	Maximum Single Impurity	NMT 1.0%	0.32%	Pass
4.2	Total Impurities	NMT 2.0%	0.76%	Pass
4.3	Purity (by HPLC)	NLT 98.0%	99.24%	Pass

5. BIOLOGICAL TESTING



No.	Test Parameter	Specification	Result	Status
5.1	Bacterial Endotoxins	NMT 5 EU/mg	Conforms	Pass

6. ASSAY

No.	Test Parameter	Specification	Result	Status
6.1	Peptide Content	NLT 80.0%	83.3%	Pass

7. CONCLUSION

The product tested complies with the specifications.

--- End of Certificate ---