

ONYX LABS

MOTS-c

QUALITY CONTROL CERTIFICATE

Mitochondrial-Derived Peptide (MOTS-c)

ONYX
LABS

Certificate No.
CP-QCC-2026-060907

Lot Number
MOT-JUN26-7X2ONX

Release Date
2026.06.11

PRODUCT INFORMATION

Product Name	MOTS-c Peptide
Dosage Form	Lyophilized powder (reconstitute before use)
Peptide Content	5 mg per vial
Appearance	White to off-white lyophilized powder
Solubility	Freely soluble in sterile water or bacteriostatic water
Storage	Refrigerate 2-8 C; protect from light and moisture
Intended Use	Laboratory research use only - not for human consumption

COMPOSITION REFERENCE

Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg

16-mer mitochondrial-derived peptide; encoded by 12S rRNA gene; C-terminal free acid; confirmed by LC-MS

QUALITY CONTROL TEST RESULTS

Test	Method	Specification	Result	Status
Appearance	Visual	White lyophilized powder	Conforms	PASS
Identity	HPLC/MS	Matches reference	Confirmed	PASS
Purity	HPLC	>= 98.0%	99.3%	PASS
Peptide Content	Gravimetric	Report result	5.1 mg	PASS
Related Substances	HPLC	<= 2.0%	0.7%	PASS
Endotoxin	USP <85> LAL	< 0.50 EU/mg	< 0.10 EU/mg	PASS
Sterility	USP <71>	No growth (14 days)	No growth	PASS

CERTIFICATION

This product has been manufactured, tested, and released in accordance with national quality standards. All tests performed meet or exceed applicable specifications.

RELEASED FOR DISTRIBUTION • LOT: MOT-JUN26-7X2ONX • RELEASE DATE: 2026.06.11

QUALITY CONTROL CERTIFICATE

Nicotinamide Adenine Dinucleotide (NAD+)

PRODUCT INFORMATION

Product Name	NAD+
Full Name	Nicotinamide Adenine Dinucleotide (NAD+)
Type	Small molecule nucleotide coenzyme
Lot Number	NAD-MAY26-6Q1L8N
Physical Form	White to off-white lyophilized powder
Storage	-20 C, light-protected, dry
Use	Laboratory Research Use Only

MOLECULAR IDENTITY / DESCRIPTION

B-Nicotinamide adenine dinucleotide, oxidized form (NAD+ / Coenzyme I)

MW 663.43 g/mol; identity confirmed by HPLC retention time and UV absorbance (260 nm)

QUALITY CONTROL TEST RESULTS

Test	Method	Specification	Result	Status
Appearance	Visual	White to off-white lyophilized powder	Conforms	PASS
Purity / Assay	HPLC	>= 99.0%	99.2%	PASS
Identity	MS / HPLC	Conforms to reference standard	Confirmed	PASS
Solubility	Visual	Soluble in water	Clear solution	PASS
Related Substances	HPLC	<= 2.0%	0.8%	PASS
Endotoxin	USP <85> LAL	< 0.50 EU/mg	< 0.10 EU/mg	PASS
Sterility	USP <71>	No growth (14 days)	No growth	PASS

CERTIFICATION

This product has been manufactured, tested, and released in accordance with national quality standards. All tests performed meet or exceed applicable specifications.

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