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Certificate of Analysis

CERTIFICAT D'ANALYSE

Document ACF8E87C89 · Lot AM-2609-27 · Issued / Émis September
16, 2026

5-Amino-1MQ Quinolinium Salt, 50 mg Lyophilized Vial

Lyophilized powder in a sealed 3 mL glass vial · 50 mg per vial



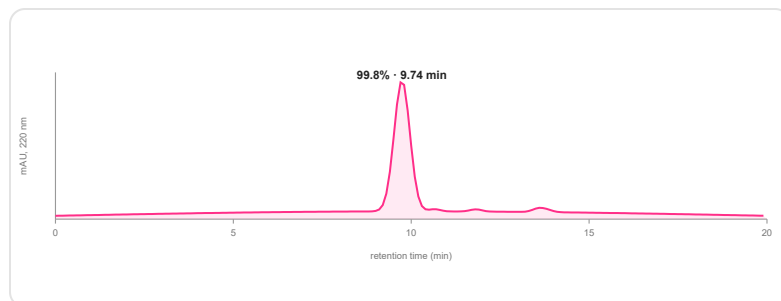
Verify this lot / Vérifier ce lot
canada-peptides.net/lots/#am-2609-27
9-27

Catalogue no. / N° de catalogue	CMP-5AMQ-50	Lot / Lot	AM-2609-27
Date of analysis / Date d'analyse	September 16, 2026	Retest date / Date de réanalyse	September 16, 2028
CAS	42464-96-0	Quantity / Quantité	50 mg per vial
Form / Forme	Lyophilized powder in a sealed 3 mL glass vial	Storage / Conservation	Lyophilized powder: store sealed at -20 °C, protected from light and moisture. Ships at ambient temperature with desiccant.

RESULTS / RÉSULTATS

TEST / ESSAI	METHOD / MÉTHODE	SPECIFICATION / SPÉCIFICATION	RESULT / RÉSULTAT
Appearance / Apparence	Visual, USP <631>	White to off-white lyophilized powder	White lyophilized powder
Purity / Pureté	RP-HPLC, C18, 220 nm, area %	≥99%	99.8%
Net peptide content / Teneur nette	Gravimetric, corrected for water and counter-ion	50 mg per vial	49.95 mg (100.8% of label)
Water content / Teneur en eau	Karl Fischer titration	≤ 8.0%	3.6%
Counter-ion / Contre-ion	Ion chromatography	Acetate, TFA below 1%	6.0% acetate
Bacterial endotoxin / Endotoxine	LAL, kinetic turbidimetric	< 1.0 EU/mg	< 0.34 EU/mg

CHROMATOGRAM / CHROMATOGRAMME



PEAK	RT (MIN)	AREA %	ASSIGNMENT / ATTRIBUTION
1	9.74	99.80	5-Amino-1MQ Quinolinium Salt (main peak)
2	10.65	0.06	Related impurity
3	11.82	0.01	Related impurity
4	13.56	0.12	Related impurity
5	13.81	0.02	Related impurity

METHODS / MÉTHODES

RP-HPLC. Reversed-phase HPLC on a C18 column with a water/acetonitrile gradient (0.1% TFA), detection at 220 nm; purity is the main peak area as a percentage of the total peak area.

ESI-MS. Electrospray ionization mass spectrometry in positive mode; identity is confirmed when the observed [M+H]⁺ (or [M+2H]²⁺) ion lies within 0.1% of the calculated mass.

Karl Fischer. Coulometric titration of a weighed aliquot for water content, reported as a percentage of the lyophilized mass.

Ion chromatography. Counter-ion content (acetate, residual trifluoroacetate) by anion-exchange chromatography with conductivity detection.

LAL. Kinetic turbidimetric Limulus amoebocyte lysate assay for bacterial endotoxin, reported per milligram of peptide.

Analyst / Analyste

Reviewed / Vérifié

Released / Libéré

QC laboratory · signed electronically
September 16, 2026

QC reviewer · signed electronically
September 16, 2026

Quality assurance · released for sale
Document ACF8E87C89

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This certificate reports the lot record held by Vita Science Peptides for lot AM-2609-27; results apply to that lot only. Document ACF8E87C89 can be checked against the lot register at <https://canada-peptides.net/lots/#am-2609-27>. Store as stated above; retest date September 16, 2028. Generated 2026-09-24 · <https://canada-peptides.net>