

Certificate of Analysis (COA)

Product Name: 5-Amino-1-methylquinolinium (5-Amino-1MQ)

Lot No.: 3132048

Sequence: Tyr-Ala-Asp-Ala...

Modifications: - 5-amino substitution- 1-methylquinolinium core

Storage Conditions: -20°C

Report Date: 15 May 2026

Test Results

Test Item	Specification	Result
Appearance	White to off-white /Orange to brownish-orange lyophilized powder	Conforms
Molecular Weight (MS)	286.11±1.0 Da	286.2 Da
Purity (HPLC)	>98%	99.6%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Related Substances (HPLC)	≤ 0.5% each / ≤ 1.5% total	0.6%
Solubility	Freely Soluble in Water	Conforms
Acetic Acid Content	≤ 5000 ppm	520 ppm
TFA Content	≤ 50 ppm	N.D.
DCM Content	≤ 50 ppm	N.D.
DMF Content	≤ 100 ppm	N.D.
E. Coli & Salmonella	Absent	N.D.
Total Aerobic Count	≤100 CFU/g	<10 CFU/g
Yeast & Molds Count	≤10 CFU/g	<10 CFU/g
Endotoxins	≤0.5 EU/mg	<0.05 EU/mg