Analytical Formulations, Inc.
Premiere Consulting & Lab Services since 2008
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- Summary Report -

Test Product:	**5-Amino-1-methylquinoline 5mg**	**Batch/Lot #:**	5A05LY120825
Client:	**Ten23 Labs**	**Receive Date:**	12/12/2025
Description:	3ml glass vial of lyophilized powder. (Pink Cap / Silver Crimp)	**Exp. Date:**	N/A

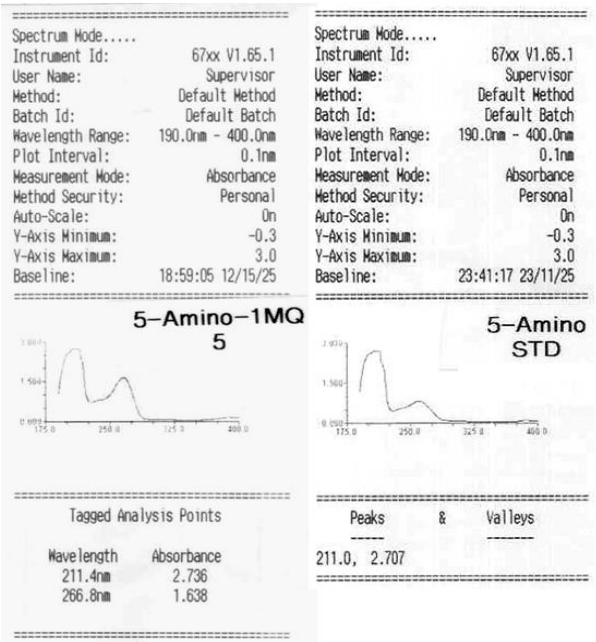
COMPONENT	TEST	SPECIFICATION	RESULT
5-Amino-1MQ	**Qualitative ID** Lambda Max	TS λ_{max} is a match compared to its characteristic reference standard.	**Matches** ∴ **Pass**
	Percent Purity Correlation Coefficient	NLT 98% $r_{xy} = \frac{\sum_{i=1}^{n}(x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^{n}(x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^{n}(y_i - \bar{y})^2}}$	**99.8%** ∴ **Pass**
	Quantitative Assay Beer-Lambert	NLT 95% label claim (mg/vial) % = (A_{TS}/A_{STD}) x (C_{STD}/C_{TS}) x 100	**5.05mg** ∴ **Pass**

Discussion:

Sample received sealed and in good condition.

Tested on a Jenway 6715 UV/Vis spectrophotometer with a pulsed Xe lamp using 1.0cm quarts cuvettes. System suitability, daily wavelength calibration, and standard check pass all SOP criteria.

Sample meets all specifications requested for testing.



Spectrum Mode.....

Instrument Id:	67xx V1.65.1	Instrument Id:	67xx V1.65.1
User Name:	Supervisor	User Name:	Supervisor
Method:	Default Method	Method:	Default Method
Batch Id:	Default Batch	Batch Id:	Default Batch
Wavelength Range:	190.0nm - 400.0nm	Wavelength Range:	190.0nm - 400.0nm
Plot Interval:	0.1nm	Plot Interval:	0.1nm
Measurement Mode:	Absorbance	Measurement Mode:	Absorbance
Method Security:	Personal	Method Security:	Personal
Auto-Scale:	On	Auto-Scale:	On
Y-Axis Minimum:	-0.3	Y-Axis Minimum:	-0.3
Y-Axis Maximum:	3.0	Y-Axis Maximum:	3.0
Baseline:	18:59:05 12/15/25	Baseline:	23:41:17 23/11/25

Tagged Analysis Points

Wavelength	Absorbance
211.4nm	2.736
266.8nm	1.638

Peaks & Valleys

211.0, 2.707

Performing Analyst **Initial & Date:** 16 December 2025

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