Analytical Formulations, Inc.
Premiere Consulting & Lab Services since 2008
Email: afi_sd@yahoo.com

- Summary Report -

Test Product: KLOW 80mg
Client: [redacted]
Description: 3ml glass vial of lyophilized powder. (Green Cap / Gold Crimp)

Batch/Lot #: KL80101625
Receive Date: 11/18/2025
Exp. Date: N/A

Component	Test	Specification	Result
KLOW	**Qualitative ID** Lambda Max	TS λ_{max} is a match compared to its characteristic reference standard.	Matches ∴ **Pass**
	Percent Purity Correlation Coefficient	NLT 98% $r_{xy} = \frac{\sum_{i=1}^{n}(x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^{n}(x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^{n}(y_i - \bar{y})^2}}$	99.6%* ∴ **Pass**
	Quantitative Assay Beer-Lambert	NLT 95% label claim (mg/vial) % = $(A_{TS}/A_{STD}) \times (C_{STD}/C_{TS}) \times 100$	83.17mg** ∴ **Pass**

**Purity is mathematically calculated on the correlation coefficient of the major second derivative peaks.*

***Assay value is based on the lambda max and secondary peak sum of all active components.*

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.