



- Summary Report -

Test Product: KLOW 80mg

Batch/Lot #: KL80101625

Client: [Redacted]

Receive Date: 11/18/2025

Description: 3ml glass vial of lyophilized powder.
 (Green Cap / Gold Crimp)

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.

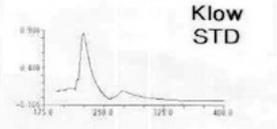
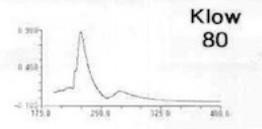
Discussion:

Sample received sealed and in good condition.

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

Spectrum Mode.....
 Instrument Id: 67xx V1.65.1
 User Name: Supervisor
 Method: Default Method
 Batch Id: Default Batch
 Wavelength Range: 190.0nm - 400.0nm
 Plot Interval: 0.1nm
 Measurement Mode: Absorbance
 Method Security: Personal
 Auto-Scale: On
 Y-Axis Minimum: -0.3
 Y-Axis Maximum: 3.0
 Baseline: 20:46:32 19/11/25

Spectrum Mode.....
 Instrument Id: 67xx V1.65.1
 User Name: Supervisor
 Method: Default Method
 Batch Id: Default Batch
 Wavelength Range: 190.0nm - 400.0nm
 Plot Interval: 0.1nm
 Measurement Mode: Absorbance
 Method Security: Personal
 Auto-Scale: On
 Y-Axis Minimum: -0.3
 Y-Axis Maximum: 3.0
 Baseline: 20:46:32 19/11/25



Tagged Analysis Points

Wavelength	Absorbance
250.0	~2.5

Tagged Analysis Points

Wavelength	Absorbance
250.0	~2.5

