

## Certificate of Analysis

**Product Name:** LC-NA

### Description and Preparation

LC-NA is a secondary reference material for verifying performance of DeNovix® Spectrophotometers. The solution is volumetrically prepared using reagent-grade nicotinic acid and spectroscopy-grade water.

### Reference Spectrophotometer Qualification

An Agilent 8453 spectrophotometer is annually certified for RMS noise and baseline flatness as well as absorbance accuracy and wavelength accuracy using reference standards, which are traceable to NIST SRM 2031B and SRM 2034 respectively.

### Measurement and Target Values

LC-NA was measured on an Agilent 8453 spectrophotometer using spectroscopy-grade water as a reference. The 261nm absorbance was measured bi-chromatically (340 nm baseline reference) with a 1mm quartz cuvette and converted to a 1cm equivalent pathlength absorbance per Beer's law.

Lot Number	Absorbance Target Value (1cm)
0518	8.318 +/- 0.04

**NOTE:** Each ampoule of LC-NA is intended for single use within 20 minutes of opening.

I certify that the information above information is accurate and true.



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David Ash, Laboratory Manager