

Certificate of Analysis

Nicotinic Acid OAS
Cat No AEB2099 - Certificate No 239363

General

This Organic Analytical Standard (OAS) consists of a purified and homogeneous batch of Nicotinic Acid for use as a routine working microanalytical standard for the determination of Carbon, Hydrogen and Nitrogen.

Certified Values and Uncertainty

The uncertainty in the certified value is expressed as expanded uncertainty, U, at 95% confidence and is calculated in accordance with ISO/IEC17025 according to GUM (Guidelines to Uncertainty in Measurement). Confidence limits include those due to sampling variation, weighing, calibration and measurement errors. The certified values are based upon the results of 30 determinations.

The certified values for Carbon, Hydrogen and Nitrogen were determined by elemental analyser calibrated to Acetanilide 141d from National Institute of Standards and Technology (NIST), Maryland, USA.

<i>Element</i>	<i>Certified Value</i> (% w/w)	<i>Uncertainty</i> (+/- %)	<i>Theoretical</i> (%w/w)
Carbon	58.63	0.15	58.54
Hydrogen	4.08	0.06	4.09
Nitrogen	11.37	0.08	11.38

Expiration of Certification

The certification of this OAS is valid until 10-Apr-24 within the measurement uncertainties specified.

Storage and Use

This OAS should be stored at temperatures between 20 °C to 25 °C and should be kept tightly sealed away from light and moisture. It is non-hygroscopic under normal conditions and can be used without preliminary drying.

Certification Information

The technical aspects involved in the preparation, certification and issuance of this (In)Organic Analytical Standard (IAS/OAS) were carried out on behalf of Alpha Resources LLC, 3090 Johnson Rd. Stevensville, MI 49127 U.S.A. 269-465-5559 www.alpharesources.com, sales@alpharesources.com

for and on behalf of Alpha Resources LLC

Jon Davies
Technical Director

