

## **CERTIFICATE OF ANALYSIS**

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## 1. Identification

Catalogue Number:

N413775

Product:

S-(-)-Nicotine-5-carboxaldehyde

Structure:

CAS 852238-97-2 Number:

Synonym: 5-[(2S)-1-Methyl-2-pyrrolidinyl]-3-

pyridinecarboxaldehyde;

Molecular Formula:

C11H14N2O

Molecular weight:

190.24

Source of Product:

**Synthetic** 

Solubility:

Chlorofom (Slightly), Dichloromethane, Ethyl Acetate, Methanol (Slightly)

98%

**Purity:** 

Storage Condition:

-20°C

Lot Number: 13-SHG-181-2

Shippina

This Product Is Stable To Be Shipped

Condition: At Room Temperature

2. Warning

Warning 1: Not Determined Warning 2:

Warning 3:

3. Analytical Information

Tests:

Specifications:

Conforms to Structure

Results:

Appearance

Dark Yellow Oil

**NMR** 

Conforms

MS

Conforms to Structure

Conforms

GC >95% 99.38%

Additional Information:

NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

**Reviewed By** 

**Reviewed By** 

C of A Approved

**Test Date** 

**Retest Date** 

Neha Khanna

Xhoana Gjergji

My Nguyen

12/21/2018

12/19/2028