

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-15 10:38:41  
Date of Next Testing: 2024-11-04 10:38:41  
Product Name: **Crotaline**  
CAS Number: 315-22-0  
Specifications & Purity: analytical standard ,  $\geq 98\%$   
Lot #: K2208279  
SKU #: **C101555**  
Version: **0**  
Analysis #: **129154**  
Storage Temperature: Protected from light, Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Carbon by Elemental Analysis	57.5-60.5 (%)	59.26 %
Nitrogen by Elemental Analysis	4-4.6 (%)	4.23 %
Purity(HPLC)	98-100 (%)	98.11400 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL <sub>3</sub> , Colorless to Light Yellow, Clear to Hazy, 25mg/ml	pass	Pass
Appearance (C101555)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals



John Su  
QA & QC Manager