

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-14 13:06:47  
Date of Next Testing: 2024-11-03 13:06:47  
Product Name: **Crotaline**  
CAS Number: 315-22-0  
Specifications & Purity: analytical standard ,  $\geq 98\%$   
Lot #: K2208274  
SKU #: **C101555**  
**Analysis: 129154**  
Storage Temperature: 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