

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-22 15:20:59
Date of Next Testing: 2028-11-21 15:20:59
Product Name: **1-Pyrenebutyric acid**
CAS Number: 3443-45-6
Specifications & Purity: $\geq 98\%$
Lot #: K2418441
SKU #: **P106902**
Version: **0**
Analysis #: **431783**

| Parameter | Limit Values | Result |
|----------------------------------|---|---|
| Purity(Neutralization titration) | 98-102 (%) | 98.23 % |
| Carbon by Elemental Analysis | 81.1-83.8 (%) | 81.20 % |
| Purity(HPLC) | 98-100 (%) | 99.03000 % |
| Melting point | 186-190 (°C) | 186.25000 °C |
| Appearance (P106902) | White to Yellow to Green Powder, Crystals or Chunks | White to Yellow to Green Powder, Crystals or Chunks |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager