

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-08 15:48:59  
Date of Next Testing: 2028-07-07 15:48:59  
Product Name: **1-Pyrenebutyric acid**  
CAS Number: 3443-45-6  
Specifications & Purity: 98%  
Lot #: F2429323  
SKU #: **P106902**  
Version: **0**  
Analysis #: **376178**

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-102 (%)	100.08 %
Carbon by Elemental Analysis	81.1-83.8 (%)	82.63 %
Purity(HPLC)	98-100 (%)	98.78000 %
Melting point	186-190 (°C)	186.66000 °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