

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-20 09:12:35  
Date of Next Testing: 2026-03-19 09:12:35  
Product Name: **L-Proline benzyl ester hydrochloride**  
CAS Number: 16652-71-4  
Specifications & Purity: 98%  
Lot #: C2215021  
SKU #: **P113141**  
**Analysis:** **066407**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=1 in MeOH)	-45--43 (°)	-44.76°
Substances not precipitated by ammonia	0-0.5 (%)	0.30 %
Melting point	142-148 (°C)	147.99000 °C
Purity(HPLC)	98-100 (%)	99.82000 %
Appearance (P113141)	White crystal powder	White crystal powder
TLC Analysis	One spot	One spot
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager