

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-07 14:09:17

Date of Next Testing: 2024-12-06 14:09:17

Product Name: **Ethyl 1-Benzyl-3-oxo-4-piperidinecarboxylate Hydrochloride**

CAS Number: 52763-21-0

Specifications & Purity: $\geq 98\%$

Lot #: D1515074

SKU #: **E134677**

Version: **1**

Analysis #: **164105**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	58.7-60.9 (%)	60.20000 %
Purity(Nonaqueous Titration)	98-100 (%)	98.62000 %
Nitrogen by Elemental Analysis	4.1-5.2 (%)	4.42000 %
Appearance (E134677)	White to Off-White, Beige or Brown Powder or Chunks	White to Off-White, Beige or Brown Powder or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1N NH ₄ OH in MeOH	Yellow, Clear, 25mg/ml (2.5%)	Yellow, Clear, 25mg/ml (2.5%)



John Su
QA & QC Manager