

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-06-13 15:31:32
 Date of Next Testing: 2028-06-12 15:31:32
 Product Name: **Ethyl 1-benzyl-4-oxo-3-piperidinecarboxylate hydrochloride**
 CAS Number: 1454-53-1
 Specifications & Purity: $\geq 98\%$
 Lot #: I1203054
 SKU #: **E115343**
 Version: **0**
 Analysis #: **367737**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	98.24000 %
Water by Karl Fischer	0-10 (%)	4.18000 %
Appearance (E115343)	White to pink to light red powder	White to pink to light red powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager