

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-05 21:08:42

Date of Next Testing: 2026-04-04 21:08:42

Product Name: **4-Oxo-1,3-piperidinedicarboxylic acid 1-benzyl ester 3-methyl ester**

CAS Number: 159299-93-1

Specifications & Purity: $\geq 97\%$

Lot #: C23311240

SKU #: **O191211**

Version: **1**

Analysis #: **188325**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.04800 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager