

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-24 14:38:48

Date of Next Testing: 2027-10-24 14:38:48

Product Name: **4-FORMYL-3,5-DIMETHYL-1H-PYRROLE-2-CARBOXYLIC ACID ETHYL ESTER**

CAS Number: 2199-64-6

Specifications & Purity: $\geq 97\%$

Lot #: A2207964

SKU #: **F168679**

Version: **1**

Analysis #: **426112**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.50000 %
Melting point	141-149 (°C)	146.50800 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager