

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-01 13:08:13

Date of Next Testing: 2026-05-31 13:08:13

Product Name: **4-Pentenoic Acid**

CAS Number: 591-80-0

Specifications & Purity: $\geq 98\%$ (GC)(T)

Lot #: E2325654

SKU #: **P160582**

Version: **0**

Analysis #: **215863**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.428-1.43	1.42960
Purity(Neutralization titration)	97.5-102.5 (%)	100.85000 %
Purity(GC)	98-100 (%)	99.50100 %
Appearance (P160582)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager