

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-12 14:34:13
 Date of Next Testing: 2026-09-11 14:34:13
 Product Name: **4-Methylvaleric acid**
 CAS Number: 646-07-1
 Specifications & Purity: $\geq 98\%$
 Lot #: K1805022
 SKU #: **M117869**
 Version: **0**
 Analysis #: **133366**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	97.5-102.5 (%)	98.21000 %
Density (20°C)	0.921-0.924	0.92200
Purity(GC)	98-100 (%)	98.17600 %
Refractive index n ₂₀ /D	1.413-1.416	1.41500
Appearance (M117869)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager