

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-27 13:25:06

Date of Next Testing: 2026-10-26 13:25:06

Product Name: **Tetramethyl-1,3-cyclobutanedione [Precursor to Dimethyl Ketene]**

CAS Number: 933-52-8

Specifications & Purity: >99.0%(GC)

Lot #: J2225702

SKU #: **T161562**

Analysis: 127548

Parameter	Limit Values	Result
Purity(Mixture of isomers ,GC)	99-100 (%)	99.85 %
Melting point	112-116 (°C)	115.85000 °C
Appearance (T161562)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager