

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-08 14:20:29
 Date of Next Testing: 2027-03-07 14:20:29
 Product Name: **Tetramethyl-1,3-cyclobutanedione [Precursor to Dimethyl Ketene]**
 CAS Number: 933-52-8
 Specifications & Purity: $\geq 99\%$
 Lot #: E1917036
 SKU #: **T161562**
 Version: **0**
 Analysis #: **195699**
 Storage Temperature: Room temperature, Cool

Parameter	Limit Values	Result
Melting point	112-116 (°C)	114.20000 °C
Purity(Mixture of isomers, GC)	99-100 (%)	99.12600 %
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



John Su
QA & QC Manager