

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-15 15:46:40

Date of Next Testing: 2027-02-14 15:46:40

Product Name: **1,3-Dimethylbarbituric acid**

CAS Number: 769-42-6

Specifications & Purity: $\geq 99\%$

Lot #: B2307957

SKU #: **D106283**

Version: **1**

Analysis #: **173697**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.90000 %
Ignition Residue	0-0.1 (%)	0.00000 %
Melting point	122-125 (°C)	124.01000 °C
Purity(GC)	99-100 (%)	99.91000 %
Appearance (D106283)	white to pale yellow Powder, Crystals and/or Chunk	white to pale yellow Powder, Crystals and/or Chunk
Solubility in hot H ₂ O , Clear, Colorless to Faint pass Yellow, 0.5g in 10mL		Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager