

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-11 11:43:16

Date of Next Testing: 2026-08-10 11:43:16

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

CAS Number: 769-42-6

Specifications & Purity: $\geq 99\%$

Lot #: J1822113

SKU #: **D106283**

Version: **1**

Analysis #: **123889**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.25800 %
Purity(GC)	99-100 (%)	99.87600 %
Ignition Residue	0-0.1 (%)	0.00500 %
Melting point	122-125 (°C)	123.85000 °C
Appearance (D106283)	white to pale yellow Powder, Crystals and/or Chunk	white to pale yellow Powder, Crystals and/or Chunk
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O , Clear, Colorless to Faint pass		Pass
Yellow,0.5g in 10mL		



John Su
QA & QC Manager