

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-03 13:21:03

Date of Next Testing: 2026-08-02 13:21:03

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

CAS Number: 769-42-6

Specifications & Purity: $\geq 99\%$

Lot #: G2230305

SKU #: **D106283**

Version: **1**

Analysis #: **098337**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.98000 %
Melting point	122-125 (°C)	124.40000 °C
Purity(GC)	99-100 (%)	99.05400 %
Ignition Residue	0-0.1 (%)	0.09680 %
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 Yellow,0.5g in 10mL		Pass



John Su
QA & QC Manager