

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-27 15:32:08
Date of Next Testing: 2027-12-26 15:32:08
Product Name: **1,3-Dimethylbarbituric acid**
CAS Number: 769-42-6
Specifications & Purity: $\geq 99\%$
Lot #: L2315007
SKU #: **D106283**
Version: **1**
Analysis #: **309629**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.15000 %
Purity(GC)	99-100 (%)	99.94900 %
Ignition Residue	0-0.1 (%)	0.00000 %
Melting point	122-125 (°C)	123.89000 °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 Yellow,0.5g in 10mL		Pass



John Su
QA & QC Manager