

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-21 10:47:05

Date of Next Testing: 2028-11-20 10:47:05

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

CAS Number: 769-42-6

Specifications & Purity: $\geq 99\%$

Lot #: K2415294

SKU #: **D106283**

Version: **1**

Analysis #: **428790**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98.5-101.5 (%)	99.99000 %
Ignition Residue	0-0.1 (%)	0.04508 %
Melting point	122-125 (°C)	123.86000 °C
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		Pass
Yellow, 0.5g in 10mL		
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager