

## Certificate of Analysis

Date of Testing: 2024-09-27 14:20:44  
Date of Next Testing: 2028-09-26 14:20:44  
Product Name: **1,3-Dimethylbarbituric acid**  
CAS Number: 769-42-6  
Specifications & Purity: 99%  
Lot #: I2423155  
SKU #: **D106283**  
Version: **1**  
Analysis #: **409972**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	98.5-101.5 (%)	100.38 %
Ignition Residue	0-0.1 (%)	0.00 %
Melting point	122-125 (°C)	123.79000 °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 <sub>2</sub> 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