

## Certificate of Analysis

Date of Testing: 2023-02-15 15:54:26  
Date of Next Testing: 2027-02-14 15:54:26  
Product Name: **1,3-Dimethylbarbituric acid**  
CAS Number: 769-42-6  
Specifications & Purity: 99%  
Lot #: B2307981  
SKU #: **D106283**  
Analysis: **173697**

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-101 (%)	99.90 %
Ignition Residue	0-0.1 (%)	0.00 %
Melting point	122-125 (°C)	124.01000 °C
Purity(GC)	99-100 (%)	99.91 %
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