

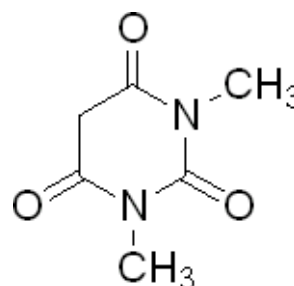
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Product Specification

Product Name:
1,3-Dimethylbarbituric acid - $\geq 99.0\%$ (T)

Product Number: **39565**
CAS Number: 769-42-6
MDL: MFCD00006675
Formula: C₆H₈N₂O₃
Formula Weight: 156.14 g/mol



TEST

Specification

Appearance (Color)	White to Faint Yellow
Appearance (Form)	Powder or Crystal or Chunk(s)
Infrared spectrum	Conforms to Structure
Initial Melting Point	≥ 121 °C
Final Melting Point	≤ 123 °C
Purity (Titration by NaOH)	99.0 - 101.0 %
GC (area %)	≥ 99.0 %
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow
0.5g in 10mL hot Water	
Residue on Ignition	≤ 0.10 %

Specification: PRD.0.ZQ5.10000011808

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.