

## Certificate of Analysis

Date of Testing: 2024-11-01 08:59:51  
Date of Next Testing: 2026-11-01 08:59:51  
Product Name: **5 , 5-Dimethylhydantoin**  
CAS Number: 77-71-4  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2425467  
SKU #: **D137034**  
Version: **0**  
Analysis #: **393679**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	45.2-48.5 (%)	47.36 %
Purity(HPLC)	98-100 (%)	98.30200 %
Nitrogen by Elemental Analysis	21.1-22.6 (%)	21.68 %
Melting point	175-178 (°C)	177.96000 °C
Appearance (D137034)	White Crystals, Powder or Crystalline Solid	White Crystals, Powder or Crystalline Solid
Solubility in H <sub>2</sub> O , Colorless	pass	Pass
Clear,100mg/ml(10%)		
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager