



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-251583
Lot Number: SAMPLE
Product Name: 1,3-Dibromo-5,5-dimethylhydantoin
CAS Number: 77-48-5
Molecular Formula: $C_5H_6Br_2N_2O_2$
Molecular Weight: 285.92

Test	Specification	Result
Appearance (Color)	White to light yellow or orange	Off-white
Appearance (Form)		Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Titration)	97.5 - 102.5% (by $AgNO_3$ after Oxygen Combustion)	99.2%
Purity (TLC)	$\geq 98\%$	$> 98\%$
Solution (Color)	Colorless to yellow or orange (c = 5%; Acetone)	Colorless
Solution (Turbidity)	Clear to slightly hazy (c = 5%; Acetone)	Clear

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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