



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-223125  
Lot Number: SAMPLE  
Product Name: 1,8-Dinitroanthraquinone  
CAS Number: 129-39-5  
Molecular Formula:  $C_{14}H_6N_2O_6$   
Molecular Weight: 298.21

Test	Specification	Result
Appearance	Yellow to brown powder, crystals	Yellow crystalline powder with brown chunks
Identification ( $^1H$ -NMR)		Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 96.5\%$	97.9%
Melting Point		318.2 - 322.8 °C
Carbon Content	54.4% - 58.4%	56.60%
Nitrogen Content	9.1% - 9.7%	9.31%

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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