



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-232029  
Lot Number: SAMPLE  
Product Name: 3,4-Dinitrophenol  
CAS Number: 577-71-9  
Molecular Formula:  $C_6H_4N_2O_5$   
Molecular Weight: 184.11

Test	Specification	Result
Appearance (Color)	White to light yellow	Light yellow
Appearance (Form)	Powder or crystal or chunks	Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 97.0\%$	99.0%
Purity (Sodium Hydroxide Titration)	95.0 - 105.0% (calculated on dry substance)	104.1%
Melting Point	132 - 135 °C (anhydrous basis)	132 °C
Solution (Color)	Faint yellow to dark yellow and faint green-yellow to dark green-yellow solution at 100 mg/ml in dioxane, hot	Faint yellow solution
Solution (Turbidity)	Clear solution at 100 mg/ml in dioxane, hot	Complies
Loss on Drying	15.0 - 25.0%	16.1%

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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