



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-225045
Lot Number: SAMPLE
Product Name: 2-(2-Thiazolylazo)-p-cresol
CAS Number: 1823-44-5
Molecular Formula: $C_{10}H_9N_3OS$
Molecular Weight: 219.26

Test	Specification	Result
Appearance	Yellow to orange to brown powder or crystalline powder	Dark orange powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 97\%$	$> 99\%$
Solubility	Clear and red to brown solution at 50 mg/ml in Ethanol: $CHCl_3$ (1: 1)	Clear and orange-red solution at 50 mg/ml in Ethanol: $CHCl_3$ (1: 1)
Carbon Content	52.8 - 56.7%	54.7%
Nitrogen Content	18.5 - 19.8%	19.1%

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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