



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215274
Lot Number: SAMPLE
Product Name: m-Cresol Purple
CAS Number: 2303-01-7
Molecular Formula: $C_{21}H_{18}O_5S$
Molecular Weight: 382.43

Test	Specification	Result
Appearance	Powder	Complies
Visual Transition Interval	pH 1.2 Red/Pink pH 2.8 Yellow pH 7.4 Yellow pH 9.0 Purple	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Absorption Excitation (1)	578 - 584 nm	582 nm
Extinction Coefficient (1)	≥ 26000	32140
Absorption Excitation (2)	369 - 375 nm	372nm
Extinction Coefficient (2)	≥ 8000.00	9086
Absorption Excitation (3)	295 - 301 nm	297 nm
Extinction Coefficient (3)	≥ 11000	12567
Carbon Content	$\geq 58.0\%$	65.9%

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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