



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215369
Lot Number: SAMPLE
Product Name: Methyl Red
CAS Number: 493-52-7
Molecular Formula: $C_{15}H_{15}N_3O_2$
Molecular Weight: 269.30

Test	Result
Appearance	Dark purple powder
Solubility	Clear solution in 0.1% Ethanol
Visual Transition Range	pH 4.2 (Red) - pH 6.2 (Yellow)
Dye Content	96.6% (By spectrophotometry)
E1%	773 (1 cm, pH 6.2 at λ_{max} 432.4 nm) 1352 (1 cm, pH 4.2 at λ_{max} 524.2 nm)
Loss on Drying	2.38% (110 °C, 1 h)

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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