



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-206055
Lot Number: SAMPLE
Product Name: Methyl Red sodium salt
CAS Number: 845-10-3
Molecular Formula: $C_{15}H_{14}N_3NaO_2$
Molecular Weight: 291.28

Test	Specification	Result
Appearance	Yellow to orange powder	Yellow powder
pH Transition Range	4.2 - 6.2 (violet/red - brown/yellow)	Complies
Solubility	Clear solution (0.1% in water)	Complies
Absorption Excitation	≥ 585 (1%/1cm)	604
Dye Content	$\geq 90\%$	93%
λ_{max}	430.0 - 434.0 nm (in water)	433.0 nm
Loss on Drying	$\leq 5\%$	3.67%

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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