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Specification

Product	m-Cresol purple for biochemistry
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Product number	1014 (revised)
Synonym(s)	m-Cresolsulfonphthalein, 2',2''-Dimethylphenolsulfonphthalein, MCP
Formula	C ₂₁ H ₁₈ O ₅ S
Molecular weight	382.43 g/mol
CAS number	2303-01-7
Storage	below 25°C
Retest period (months)	48

Parameter	Specification
Identity (UV/VIS-Spec.)	passes test
Appearance of solution (1g/l; water)	passes test
1st transition range	pH 1.2 - pH 2.8 pink - yellow
2nd transition range	pH 7.4 - pH 9.0 brownish yellow - violet
Loss on drying (110°C)	max. 1 %
Absorption maximum λ 1 max. (buffer pH 1.2)	526 - 529 nm
Absorption maximum λ 2 max. (buffer pH 2.8)	431 - 437 nm

Einhausen, 20.03.2024 (revised)