



Certificate of Analysis

1.06078.0000 Methyl red sodium salt (C.I. 13020) water-soluble ACS
Batch K54779678

	Spec. Values		Batch Values	
Identity (UV/VIS-Spectrum)	passes test		passes test	
Clarity of solution in water	passes test		passes test	
Clarity of the solution in Ethanol	passes test		passes test	
Transition range	pH 4.5 - pH 6.2 red violet - brownish yellow		passes test	
Absorption maximum λ 1 max. (buffer pH 4,5)	523 - 526	nm	524	nm
Absorption maximum λ 2 max. (buffer pH 6,2)	430 - 438	nm	434	nm
Spec. Absorptivity A 1%/1cm (λ 1 max.; 0.005 g/l; buffer pH 4,5; calc. on dried substances)	1000 - 1400		1201	
Spec. Absorptivity A 1%/1cm (λ 2 max.; 0.005 g/l; buffer pH 6,2; calc. on dried substances)	560 - 740		640	
Loss on drying (110 °C)	≤ 5	%	2	%
Transition range (according to ACS)	passes test		passes test	

Date of release (DD.MM.YYYY) 03.11.2022
Minimum shelf life (DD.MM.YYYY) 30.11.2027

Dr. Michael Memmel
Responsible laboratory manager quality control

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