Specification

1.06076.0000 Methyl red (C.I. 13020) indicator ACS,Reag. Ph Eur

	Specification	
Identity (UV/VIS-Spectrum)	passes test	
Appearance	Red to red-violet powder, eventually with granular parts.	
Clarity of solution (1 g/l; ethanol)	passes test	
Melting point (capillary method, temperatur measerment in the heating block)	179 - 182	°C
Transition range	pH 4.4 - pH 6.0 Red - yellow	
Absorption maximum (buffer pH 4.5)	523 - 526	nm
Absorption maximum (buffer pH 6.2)	427 - 437	nm
Spec. Absorptivity A 1%/1cm($\lambda_{max.}$; 0.00335 g/l; buffer pH 4.5;calc. on dried substances)	1350 - 1500	
Spec. Absorptivity A 1%/1cm (λ_{max}; 0.005 g/l; buffer pH 6.2; calculated on anhydrous substance)	700 - 800	
Transition range (according to ACS)	passes test	
Loss on drying (110 °C)	≤ 5	%

Dr. Michael Memmel
Responsible laboratory manager quality control

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