



Certificate of Analysis

1.03026.0025 Bromothymol blue indicator ACS, Reag. Ph Eur
Batch L017000626

	Spec. Values		Batch Values	
Identity (UV/VIS-Spectrum)	passes test		passes test	
Clarity of solution (1 g/l; ethanol)	passes test		passes test	
Transition range	pH 5.8 - pH 7.6 yellow - blue		passes test	
Absorption maximum $\lambda_{1 \text{ max.}}$ (buffer pH 5.8)	430 - 435	nm	432	nm
Absorption maximum $\lambda_{2 \text{ max.}}$ (buffer pH 7.6)	615 - 618	nm	616	nm
Spec. Absorptivity A 1%/1cm ($\lambda_{1 \text{ max.}}$; 0.005 g/l; buffer pH 5.8; calc. on dried substances)	260 - 305		288	
Spec. Absorptivity A 1%/1cm ($\lambda_{2 \text{ max.}}$; 0.005 g/l; buffer pH 7.6; calc. on dried substances)	455 - 530		505	
Loss on drying (110 °C)	≤ 3	%	< 1	%
Transition range (according to ACS)	passes test		passes test	
Sensitivity test	passes test		passes test	

Date of release (DD.MM.YYYY) 07.03.2017
Minimum shelf life (DD.MM.YYYY) 30.09.2026

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Responsible laboratory manager quality control

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