



# Specification

1.08122.0000 Bromophenol blue indicator ACS, Reag. Ph Eur

## Specification

Identity (UV/VIS-Spectrum)	passes test	
Clarity of solution (1 g/l; ethanol)	passes test	
Transition range	pH 3.0 - pH 4.6 greenish yellow - blue violet	
Absorption maximum $\lambda_{1 \text{ max.}}$ (buffer pH 3.0)	434 - 439	nm
Absorption maximum $\lambda_{2 \text{ max.}}$ (buffer pH 4.6)	590 - 593	nm
Spec. Absorptivity A 1%/1cm ( $\lambda_{1 \text{ max.}}$ ; 0.005 g/l; buffer pH 3.0; calc. on dried substances)	350 - 400	
Spec. Absorptivity A 1%/1cm ( $\lambda_{2 \text{ max.}}$ ; 0.005 g/l; buffer pH 4.6; calc. on dried substances)	940 - 1050	
Loss on drying (110 °C)	$\leq 2$	%
Transition range (according to ACS)	passes test	
Sensitivity test	passes test	

Dr. Michael Memmel

Responsible laboratory manager quality control

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