

Specification

Technical Data Sheet

Product Name	Bromophenol Blue
Product No	14572165
CAS Number	115-39-9
Storage Temperature	Ambient
Molecular Weight	669.96
	Specification
Appearance	Powder
Molecular Weight	669.96
Storage Temperature	+20 ° C
Chemical Formula	C ₁₉ H ₁₀ Br ₄ O ₅ S
Loss on Drying	< 1% (110°C)
Absorptivity	Absorptivity (A1%/1cm at pH 3.1, at λ>1 max): 350-385, Absorptivity (A1%/1cm at pH 4.6, at λ>2 max): 940-1000

Specification

Maximum Absorption	Wavelength of maximum absorption(pH 3.1) λ_{max} : 434-439 nm, Wavelength of maximum absorption (pH 4.6) λ_{max} : 590-593 nm
Solubility	0.1% (95% Ethanol): Clear solution
Transition Range	pH 3.1 - 4.6 Greenish Yellow to Blue Violet
Absorptivity (E1% 1CM CELL pH 3.3) @ 436nm	363
Absorptivity (E1% 1cm cell pH 4.6) @ 591nm	995
Batch Number	51620
Loss on Drying (110°C for 1 hour)	0.89%
Solubility 0.1% [EtOH]	Clear yellow solution
Transition Range pH 3.0-4.6	Greenish yellow
