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Specification

Technical Data Sheet

Product Name	Bromophenol Blue
Product No	14572165
CAS Number	115-39-9
Storage Temperature	Ambient
Molecular Weight	669.96
	Specification
Chemical Formula	C ₁₉ H ₁₀ Br ₄ O ₅ S
Loss on Drying	< 1% (110°C)
Storage Temperature	+20 ° C
Molecular Weight	669.96
Solubility	0.1% (95% Ethanol): Clear solution
Maximum Absorption	Wavelength of maximum absorption(pH 3.1) λ ₁ max: 434-439 nm, Wavelength of maximum absorption (pH 4.6) λ ₂ max: 590-593 nm
Absorptivity	Absorptivity (A ₁ %/1cm at pH 3.1, at λ ₁ max): 350-385, Absorptivity (A ₁ %/1cm at pH 4.6, at λ ₂ max): 940-1000
Transition Range	pH 3.1 - 4.6 Greenish Yellow→Blue Violet
Appearance	Powder
Batch Number	51620
Transition Range pH 3.0-4.6	Greenish yellow
Solubility 0.1% [EtOH]	Clear yellow solution
Absorptivity (E1% 1CM CELL pH 3.3) @ 436nm	363
Absorptivity (E1% 1cm cell pH 4.6) @ 591nm	995
Loss on Drying (110(C for 1 hour)	0.89%