

Specification Sheet

Product Name: **Thymol blue**
Specifications & Purity: indicator, ACS, Ph.Eur.
SKU # **T433770**

Parameter	Limit Values
Appearance(T433770)	Powder
1st transition range(1.2- 2.8, violet red -brownish yellow)	Pass
2nd transition range(7.8-9.5, greenish yellow -blue)	Pass
Absorption maximum λ 1 max. (buffer pH 1.2)	543-547 (nm)
Absorption maximum λ 2 max. (buffer pH 2.8)	431-437 (nm)
Absorption maximum λ 3 max. (buffer pH 7.8)	431-437 (nm)
Absorption maximum λ 4 max. (buffer pH 9.5)	594-598 (nm)
Loss on drying(110°C)	0-5 (%)
Infrared spectrum	Conforms to Structure
Spec. Absorptivity A 1%/1cm (λ 1 max;0.01 g/L; buffer pH 1.2;calc. on dried substances)	580-720
Spec. Absorptivity A 1%/1cm (λ 2 max; 0.01 g/L; buffer pH 2.8;calc. on dried substances)	250-370
Spec. Absorptivity A 1%/1cm (λ 3 max;0.01 g/L; buffer pH 7.8;calc. on dried substances)	250-370
Spec. Absorptivity A 1%/1cm(λ 4 max;0.01 g/L; buffer pH 9.5;calc. on dried substances)	580-700