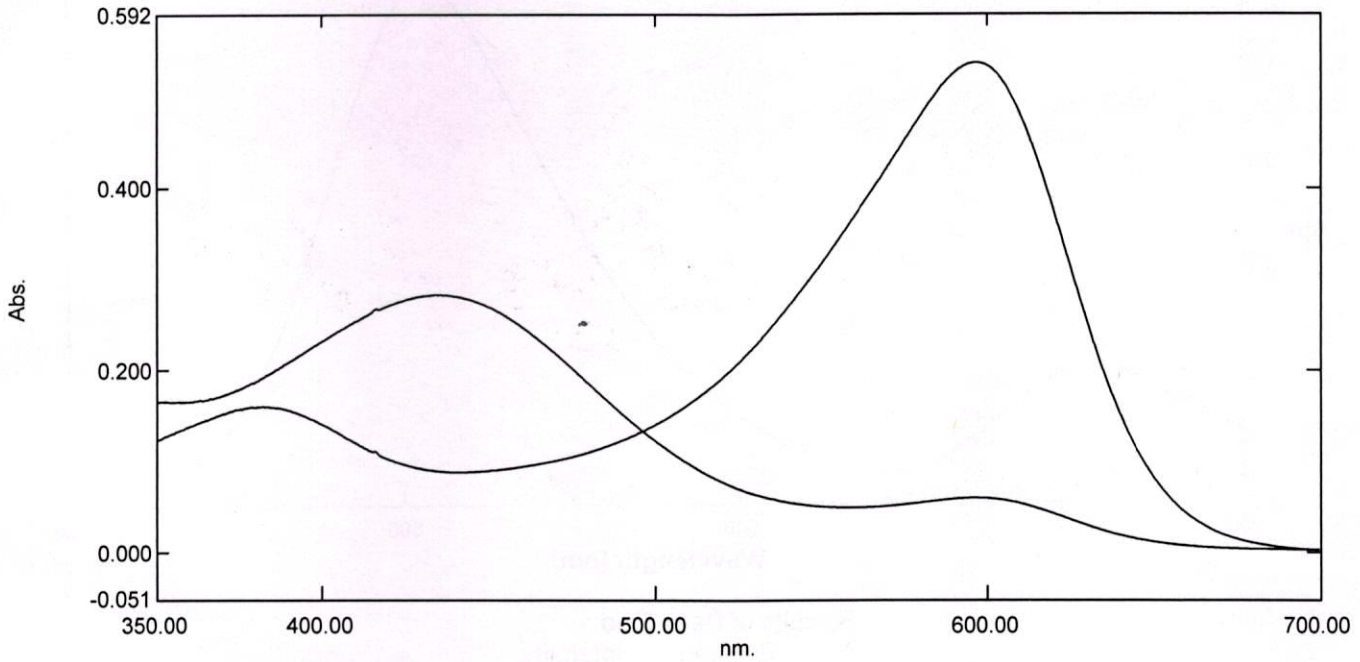


Product Name : THYMOL BLUE (ACS) ,c= 10mg/Lt  
 Analyst: U.S.Matre  
 Department: Analytical  
 Organisation: ESJAY CHEMICALS



**CERTIFICATE OF ANALYSIS**

PRODUCT : THYMOL BLUE (ACS)  
 C.A.S.NO. : 76 - 61 - 9

**TYPICAL COA**

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Brown to brownish green pd	(Brownish to green pd)
2. Solubility 0.1% (95% Ethanol)	- Clear solution	(Passes test)
3. Transition range	- pH 1.2 - 2.8 (Pink - yellow)	(Passes test)
	- pH 7.8 - 9.5 (Yellow - Blue)	(Passes test)
4. Absorptivity 1%/ 1cm, (pH 7.8, at $\lambda$ max. 434.4 nm)	- 292	(200-300)
(pH 9.5, at $\lambda$ max. 596.6 nm)	- 537	(450-550)
5. Dye content by Spectrophotometry	- 97.6%	(> 95%)
6. Loss on drying at 110°C (1hr)	- 2.25 %	(< 3%)
7. Transition range acc. to ACS	- Passes test	(Passes test)

Mfg.Date : JAN - 2024  
 Exp.Date : DEC - 2029

ESJAY Chemicals  
*U.S. Matre*  
 Analytical Dept