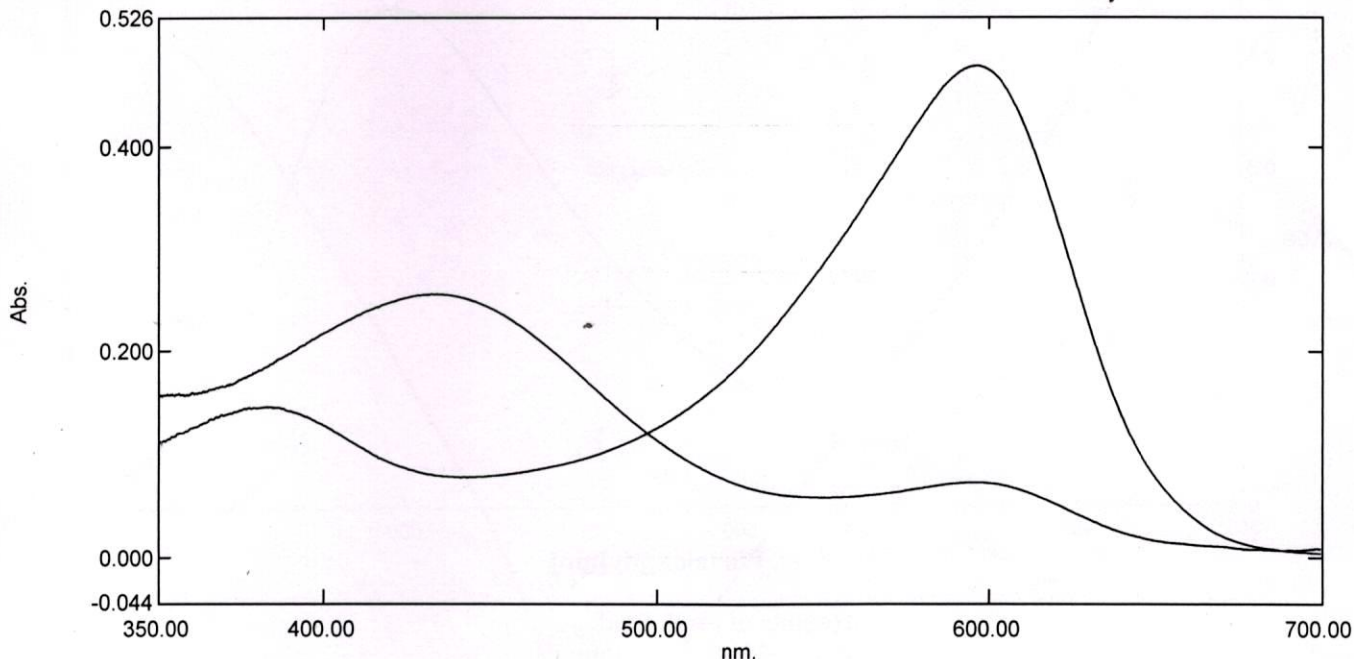


Product Name : THYMOL BLUE SODIUM SALT ,c= 10mg/Lt  
Analyst: U.S.Matre  
Department: Analytical  
Organisation: ESJAY CHEMICALS



### CERTIFICATE OF ANALYSIS

PRODUCT : THYMOL BLUE SODIUM SALT  
CAS.NO. : 62625-21-2

### TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Yellow powder	(Passes test)
1. Solubility 0.1%(water)	- Clear Solution	(Passes test)
2. Transition Range	- pH 7.8 - 9.5 (Greenish Yellow - Blue)	(Passes test)
3. Absorptivity 1%/ 1cm, (on dried substance)		
(pH 7.8, at $\lambda$ max. 431.6nm)	- 273	(190-285)
(pH 9.5, at $\lambda$ max. 596.2nm)	- 503	(425-525)
4. Dye content by Spectrophotometry	- 95.8%	(> 90%)
5. Loss On Drying at 110°C(1hr)	- 3.28%	(< 5%)

Mfg.Date- OCT - 2023  
Exp.Date- SEPT - 2029

ESJAY Chemicals  
*U.S. Matre*  
Analytical Dept