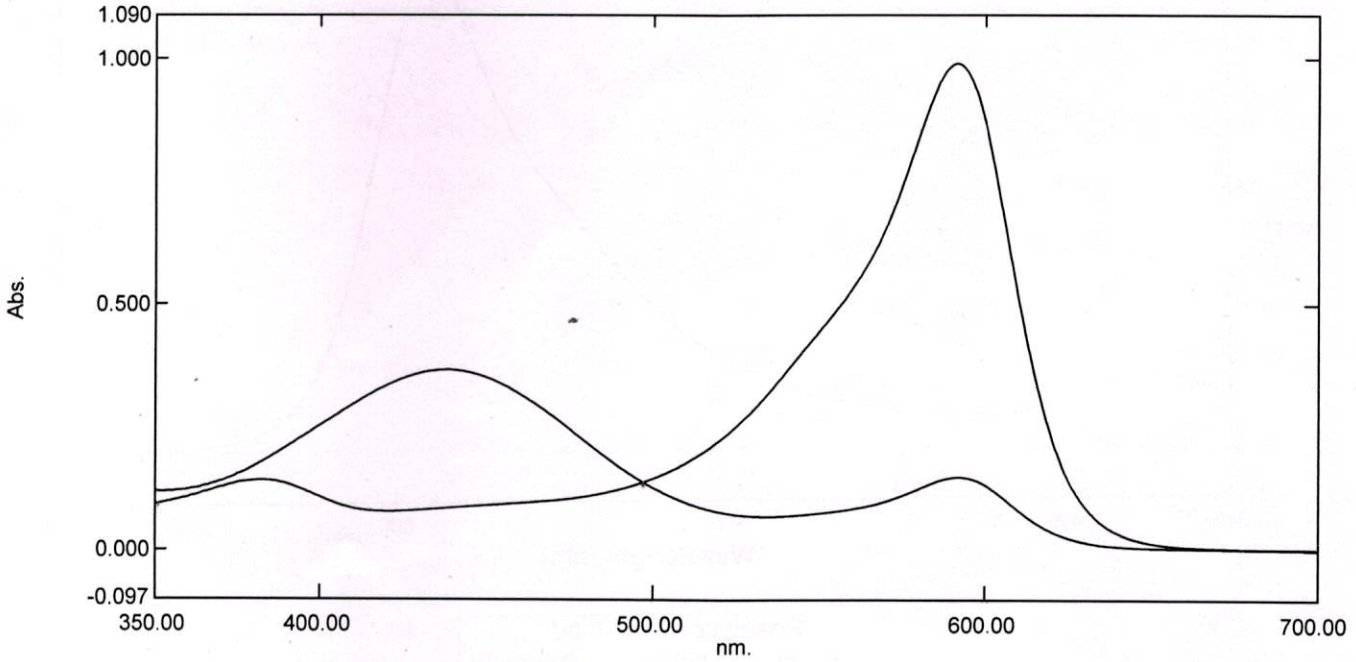


Product Name : BROMOPHENOL BLUE , c= 10mg/Lt  
Analyst: U.S.Matre  
Department: Analytical  
Organisation: ESJAY CHEMICALS



### CERTIFICATE OF ANALYSIS

PRODUCT : BROMOPHENOL BLUE  
C.A.S. NO. : 115 - 39 - 9

### TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Light pink powder	(Passes test)
2. Transition Range	- pH 3.1 - pH 4.6 (Greenish yellow - Blue violet)	(Passes test)
3. Solubility 0.1%(Ethanol)	- Clear Solution	(Passes test)
4. Absorptivity 1%/ 1cm, (pH 4.6, at $\lambda$ max.591.2 nm)	- 984	(940 - 1000)
(pH 3.1, at $\lambda$ max.437.4 nm)	- 378	(350 - 385)
5. Dye content by Spectrophotometry	- 98.4%	(> 95%)
6. Loss On Drying at 110°C(1hr)	- 0.62%	(<1%)
7. Transition range acc.to ACS	- Passes test	(To passes test)

Mfg.Date : JAN - 2023

Exp.Date : DEC - 2028

ESJAY Chemicals

*U.S. Matre*  
Analytical Dept