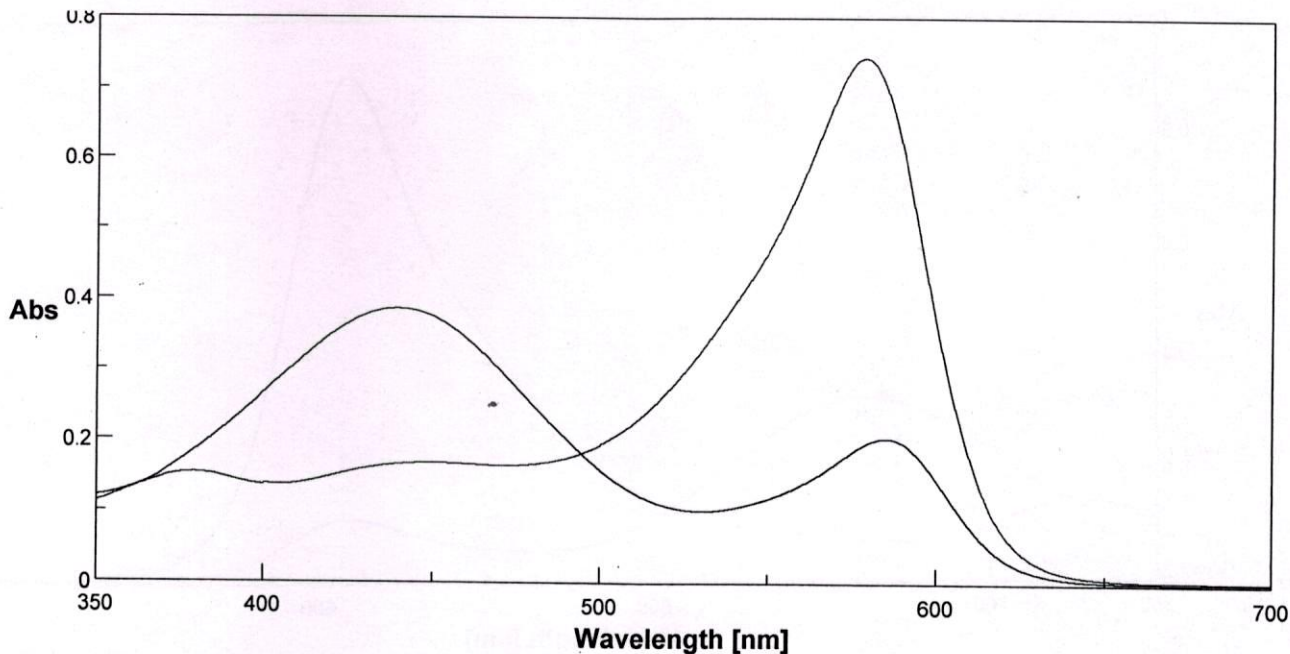


Product Name :- BROMOPHENOL RED, c = 10mg/Lt  
 Analyst :- U S Matre  
 Department :- Analytical  
 Organisation :- ESJAY CHEMICALS



### CERTIFICATE OF ANALYSIS

PRODUCT : BROMOPHENOL RED  
 CAS NO. : 2800 - 80 - 8

### TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Red powder	(Dark red to deep brown powder)
2. Transition Range	- pH 4.7 - pH 6.3 (Yellow - purple)	(Passes test)
3. Solubility 0.1%(95%Ethanol)	- Clear Solution	(Clear solution with only faint turbidity or insoluble matter)
4. Absorptivity 1%/ 1cm, (pH 4.7, at $\lambda_{max}$ .439.4 nm)	- 361	(340-370)
(pH 6.3, at $\lambda_{max}$ .578.8 nm)	- 702	(585-720)
5. Dye content by Spectrophotometry	- 97.5%	(> 95%)
6. Loss On Drying at 110°C(1hr )	- 3.17%	(<5%)

Mfg.Date : SEPT - 2023  
 Exp.Date : AUG - 2029

ESJAY Chemicals

*U S Matre*  
 Analytical Dept