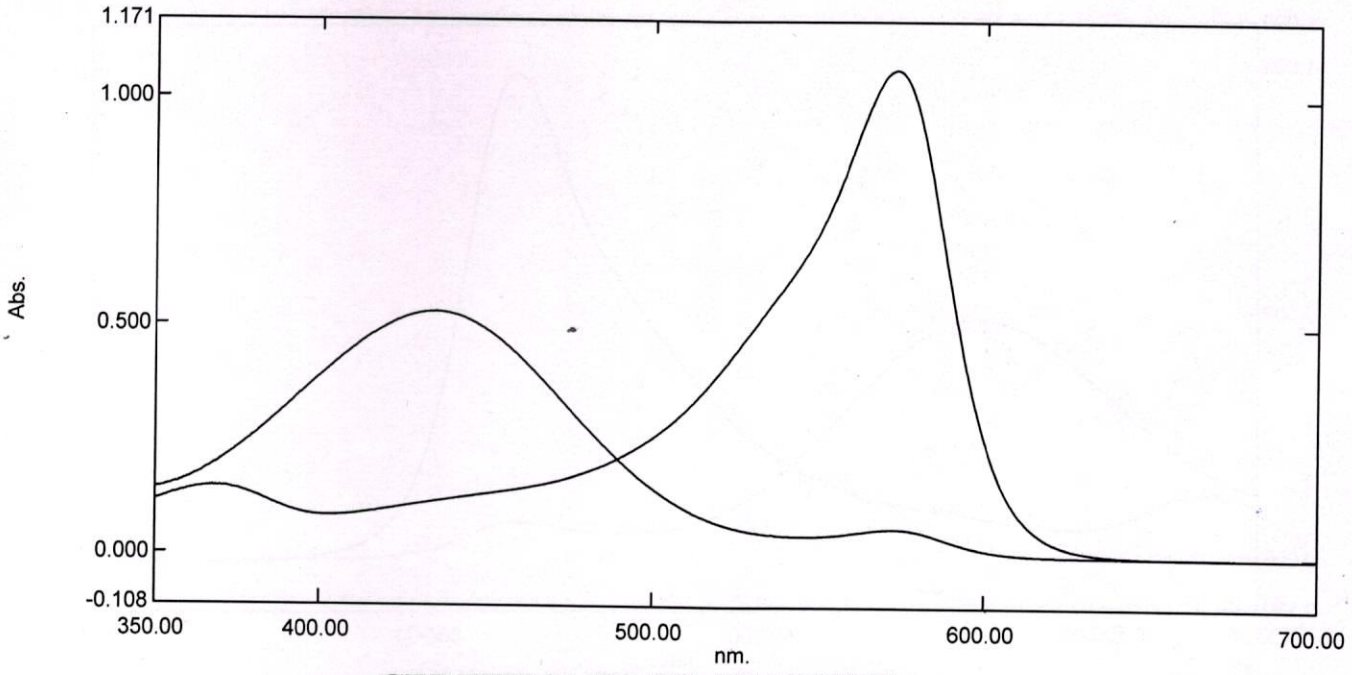


Product Name : CRESOL RED ,c= 10mg/Lt
Analyst: U.S.Matre
Department: Analytical
Organisation: ESJAY CHEMICALS



CERTIFICATE OF ANALYSIS

PRODUCT : CRESOL RED
CAS NO. : 1733 - 12 - 6

TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Dark brown to green powder	(Green to dark red or brown or maroon powder)
2. Transition range	- pH 0.5 to pH 2.5 (Pink - Yellow)	(Passes test)
	- pH 6.5 to pH 8.8 (Yellow - Purple)	(Passes test)
3. Solubility 0.1% (95%Ethanol)	- Clear yellow solution	(Passes test)
4. Absorptivity 1%/1cm, (pH 6.5, at λ max.435.6 nm)	- 526	(490-540)
(pH 8.8, at λ max.573.4 nm)	- 1073	(1000-1100)
5. Dye content by Spectrophotometry	- 97.5 %	(> 95%)
6. Loss on drying at 110°C (1hr.)	- 1.88%	(< 3%)

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

ESJAY Chemicals

U.S. Matre
Analytical Dept