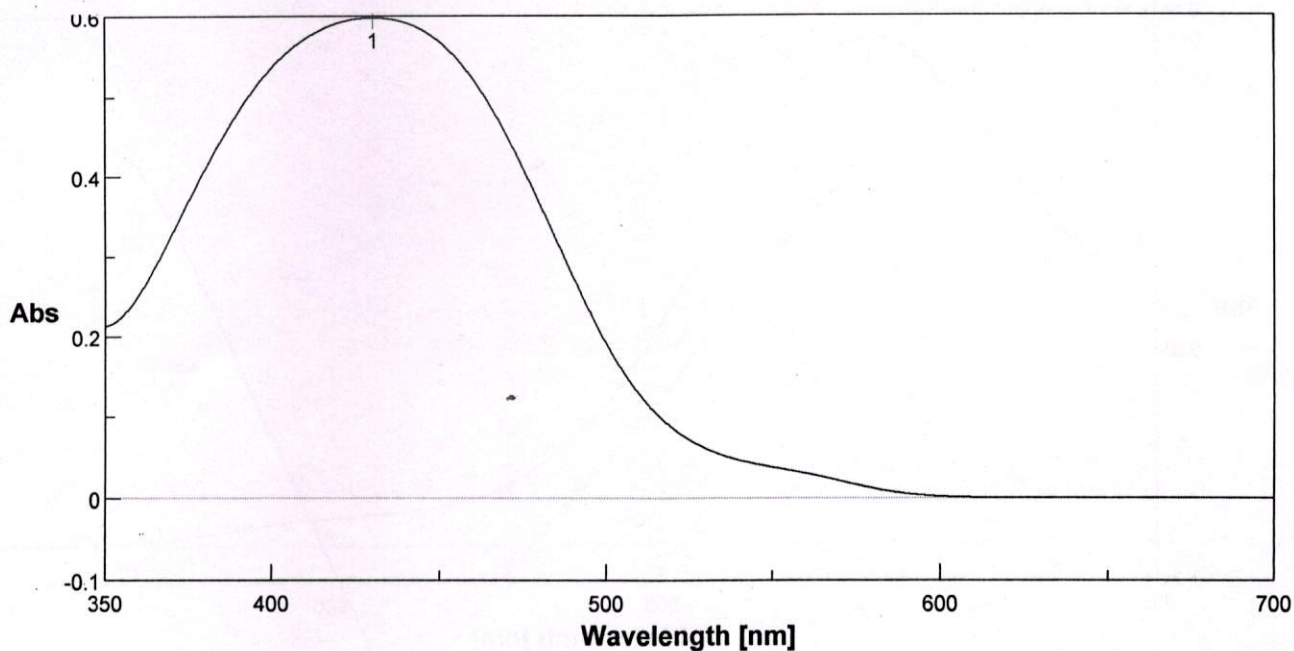


Product Name :- METHYL RED SODIUM SALT, c = 10mg/Lt

Analyst :- U S Matre

Department :- Analytical

Organisation :- ESJAY CHEMICALS



Results of Peak Find		
No.	Position	Intensity
1	430.4	0.597847

CERTIFICATE OF ANALYSIS

PRODUCT : METHYL RED SODIUM SALT
C.A.S. NO. : 845-10-3
C.I.NO. : 13020
MOLECULAR WEIGHT : 291.28g/mol
MOLECULAR FORMULA: C₁₅H₁₄N₃NaO₂

TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1.Appearance	- Yellowish orange powder	(Dark yellow to Orange powder)
2.Transition range	- pH 4.2 – 6.2 Violet red – Brownish yellow	(Passes test)
3.Solubility 0.1% (dist. water)	- Clear solution	(Only faint trace of turbidity or insoluble matter)
4. Absorption maximum(in dist. water)	- 430.4 nm	(430- 440nm)
5. Absorptivity(A1%/1cm,in dist water)	- 597	(>585)
6. Dye content (by spectrophotometry)	- 96.9%	(>95%)
7. Loss on drying at 110 ⁰ C (1hr)	- 3.35%	(< 5%)
8. Transition range Acc.to ACS	- Passes test	(To passes test)

ESJAY Chemicals

U S Matre
Analytical Dept.