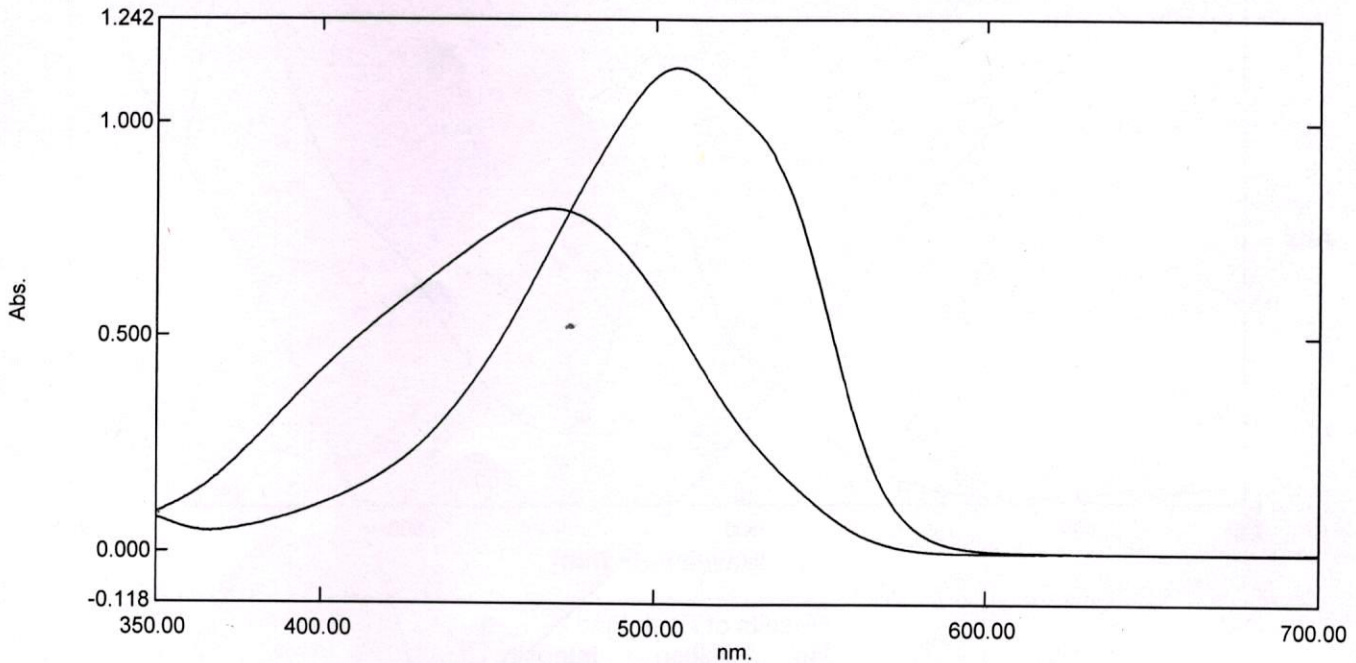


Product Name : METHYL ORANGE , c= 10mg/Lt
 Analyst: U.S.Matre
 Department: Analytical
 Organisation: ESJAY CHEMICALS



CERTIFICATE OF ANALYSIS

PRODUCT : METHYL ORANGE
 (Acid Orange 52)
 C.A.S. NO. : 547 - 58 - 0
 C.I.NO. : 13025

TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Dark orange powder	(Orange to yellow pd)
2. Transition range	- pH 3.1 - 4.4 Pink - Orange yellow	(Passes test)
3. Solubility 0.1% (Dist. water)	- Orange solution	(Not more than a faint trace of turbidity or insoluble matter)
4. Absorptivity 1%/ 1cm, (pH 3.1, at λ max. 504.2nm)	- 1115	(1050-1150)
(pH 4.4, at λ max. 468.6 nm)	- 824	(750-850)
5. Dye content by Spectrophotometry	- 96.9 %	(> 95%)
6. Loss on drying at 110°C (1hr)	- 1.33 %	(< 3%)
7. Transition range acc. ACS	- passes test	

Mfg.Date : JAN - 2024
 Exp.Date : DEC - 2029

ESJAY Chemicals

U.S. Matre
 Analytical Dept