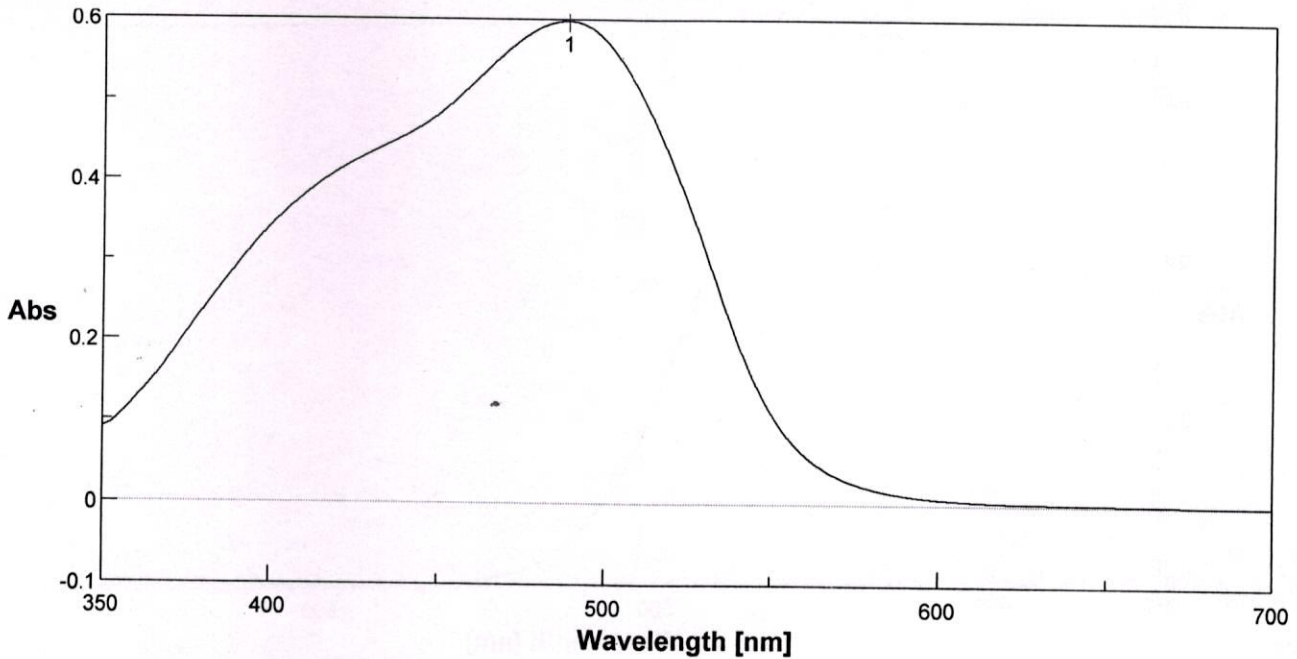


Product Name :- TROPAEOLIN O , c = 10mg/Lt  
Analyst :- U S Matre  
Department :- Analytical  
Organisation :- ESJAY CHEMICALS



| Results of Peak Find |          |           |
|----------------------|----------|-----------|
| No.                  | Position | Intensity |
| 1                    | 488.6    | 0.597656  |

### CERTIFICATE OF ANALYSIS

PRODUCT : TROPAEOLIN O  
C.A.S. NO. : 547 – 57 – 9  
C.I. NO. : 14270

### TYPICAL COA

| <u>Tests</u>                        | <u>Results</u>                      | <u>Specification</u>                         |
|-------------------------------------|-------------------------------------|--|
| 1. Appearance                       | - Yellowish orange powder           | (Light brown to dark brown to orange powder) |
| 2. Transition Range                 | - pH 11.2 – 12.2<br>Yellow - Orange | (Passes test)                                |
| 3. Solubility 0.1% (dist. water)    | - Clear solution                    | (Passes test)                                |
| 4. Absorption maximum(in 0.1N NaOH) | - 488.6 nm                          | (488-492nm)                                  |
| 5. Absorptivity 1%/ 1cm,(0.1N NaOH) | - 597                               | (>530)                                       |
| 6. Dye content by Spectrophotometry | - 95.7%                             | (>85%)                                       |
| 7. Loss on drying at 110°C (1hr)    | - 4.58%                             | (<5%)  |

Mfg.Date : JAN - 2024

Exp.Date : DEC - 2029

ESJAY Chemicals

*U S Matre*  
Analytical Dept