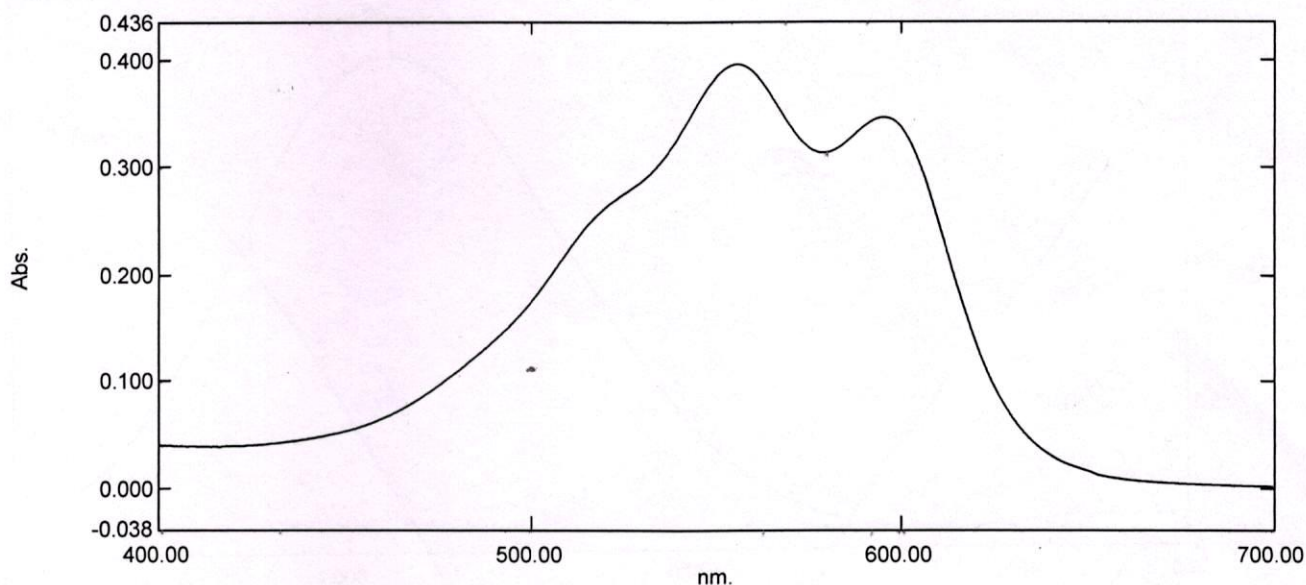


Product Name : ALIZARIN RED S , c=10mg/Lt  
 Analyst: U.S.Matre  
 Department: Analytical  
 Organisation: ESJAY CHEMICALS



No.	P/V	Wavelength	Abs.	Description
1	①	595.20	0.347	
2	②	556.00	0.397	

### CERTIFICATE OF ANALYSIS

PRODUCT : ALIZARIN RED S (Mordant Red 3)  
 C.A.S. NO. : 130 - 22 - 3  
 C.I.NO. : 58005

#### TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Yellow powder	(Passes test)
2. Transition range	- pH 4.3 – pH 6.3 Brilliant yellow – Pink pH 9.4 – pH 12.0 Brown orange – Violet	(Passes test)
3. Solubility in 0.1% (dist. water)	- Clear solution	(Passes test)
4. Absorptivity 1%/ 1cm, (0.1 N NaOH at $\lambda$ max. 556 nm)	- 397	(> 350)
5. Dye content by Spectrophotometry	- 79.4 %	(> 70%)
6. Loss on drying (110 <sup>o</sup> C) (1hr)	- 3.52 %	(< 5%)

Mfg.Date : APRIL - 2021  
 Exp.Date : MARCH - 2027

ESJAY Chemicals

*U.S. Matre*  
 Analytical Dept