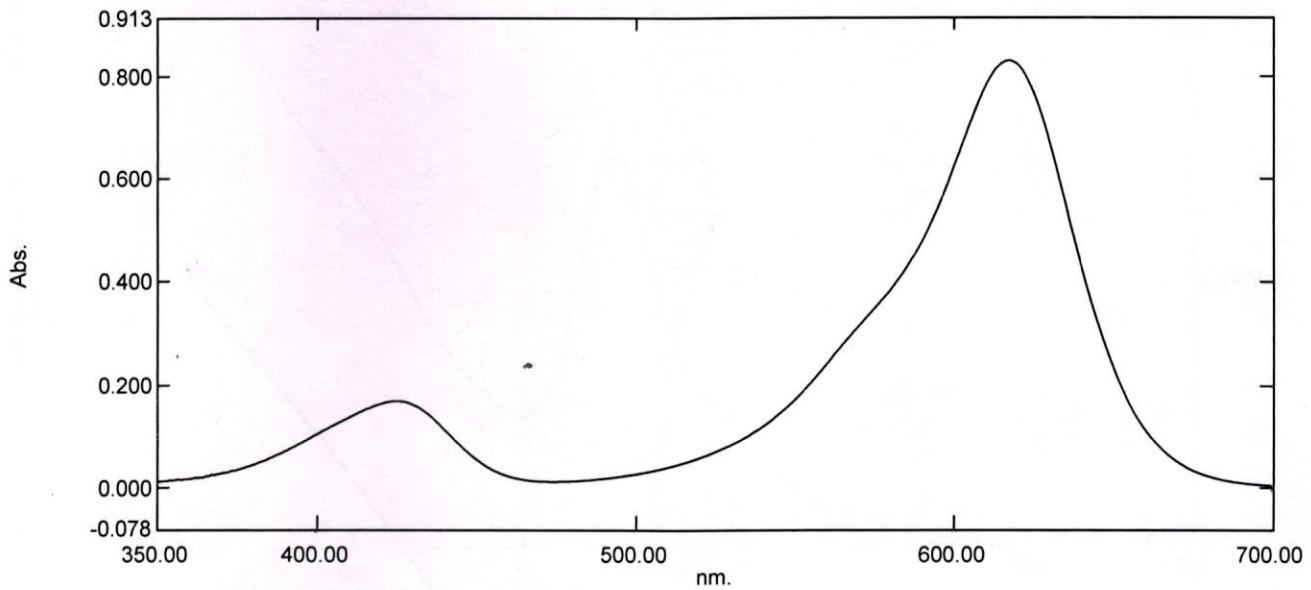


Product Name : MALACHITE GREEN CHLORIDE , c=5mg/Lt
 Analyst: U.S.Matre
 Department: Analytical
 Organisation: ESJAY CHEMICALS



No.	P/V	Wavelength	Abs.	Description
1	⊕	617.20	0.830	
2	⊕	424.80	0.168	

CERTIFICATE OF ANALYSIS

PRODUCT : MALACHITE GREEN CHLORIDE
 CAS NO. : 2437-29-8
 Formula wt. : 382.93 g/mol
 Formula : C₂₂H₂₆N₂O- HCL

TYPICAL COA

<u>Tests</u>	<u>Results</u>	<u>Specification</u>
1. Appearance	- Copper luster crystals	(Passes test)
2. Solubility 0.1% (dist. water)	- Greenish blue Solution	(Passes test)
3. Absorption maximum(dist. water) λ _{max}	- 617.2nm	(614-620 nm)
4. Absorptivity 1%/1cm,(in dist.water)	- 1660	(> 1540)
5. Extinction coefficient	- 63,566	(> 59,000)
6. Dye content (by spectrophotometry)	- 97%	(> 90%)
7. Loss On Drying (110°C for 1hr)	- 4.58%	(< 6%)

Mfg.Date: MARCH - 2022
 Exp.Date: FEB - 2028

ESJAY Chemicals

Wmy
 Analytical Dept