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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Indigo carmine  
**Batch No.** : 227934  
**Date of Mfg.** : Sep 2024  
**Date of Exp** : Aug 2029  
**Register No.** : 2024-25  
**Qty of Sample** : 100gm  
**Date of Analysis** : Sep 2024

S.No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Dark blue-violet powder
2.	Absorption maxima in water	609.8 nm	608 – 612 nm
3.	Absorptivity (A 1%/ 1cm: @ $\lambda$ max; in water; on dried substance)	396	380 - 475
4.	Loss on drying (105°C)	4.07%	Max. 10.0%
5.	Suitability for microscopy	Passes test	Passes test

**Chief Chemist**