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### **CERTIFICATE OF ANALYSIS**

**Name of the Sample** : **Indigo carmine**  
**Batch No.** : **228621**  
**Date of Mfg.** : **June 2025**  
**Date of Exp** : **May 2030**  
**Register No.** : **2025-26**  
**Qty of Sample** : **100 gm**  
**Date of Analysis** : **June 2025**

<b>S.No</b>	<b>Test Parameters</b>	<b>Observed Values</b>	<b>Standard Values</b>
1.	<b>Description</b>	<b>Passes</b>	<b>Dark blue-violet powder</b>
2.	<b>Absorption maxima in water</b>	<b>609nm</b>	<b>608 – 612 nm</b>
3.	<b>Absorptivity (A 1%/ 1cm: @ <math>\lambda</math> max; in water; on dried substance)</b>	<b>392</b>	<b>380 - 475</b>
4.	<b>Loss on drying (105°C)</b>	<b>6.34%</b>	<b>Max. 10.0%</b>
5.	<b>Suitability for microscopy</b>	<b>Passes test</b>	<b>Passes test</b>

**Chief Chemist**