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### **CERTIFICATE OF ANALYSIS**

**Name of the Sample : Methylene Blue**  
**Batch No. : 227495**  
**Date of Mfg : April 2024**  
**Date of Exp : March 2029**  
**Register No. : 2024-25**  
**Qty of Sample : 100gm**  
**Date of Analysis : April 2024**

<b>S. No</b>	<b>Test Parameters</b>	<b>Observed Values</b>	<b>Standard Values</b>
1.	<b>Appearance</b>	<b>Passes</b>	<b>Blackish Green Powder</b>
2.	<b>Solubility (0.1% dist. water)</b>	<b>Passes</b>	<b>Clear Blue solution</b>
3.	<b>Absorptivity 1%, 1cm at <math>\lambda</math> max.664.0nm</b>	<b>2338</b>	<b>2200 - 2750</b>
4.	<b>Loss on drying at 110°C (1hr)</b>	<b>10.02%</b>	<b>10 - 15%</b>
5.	<b>Dye Contents</b>	<b>86.2%</b>	<b>&gt; 82%</b>

**Chief Chemist**