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CERTIFICATE OF ANALYSIS

Name of the Sample : **Bromocresol Green AR/ACS**
Batch No. : **227460**
Date of Mfg. : **March 2024**
Date of Exp : **Feb 2029**
Register No. : **2024-25**
Qty of Sample : **100 gm**
Date of Analysis : **March 2024**

| S. No | Test Parameters | Observed Values | Standard Values |
|-------|--|-----------------|---------------------------------------|
| 1. | Appearance | Passes | Creamish yellow to Tan colored powder |
| 2. | Transition range: pH 3.8 - 5.4 | Passes | Greenish yellow to Blue |
| 3. | Solubility 0.1% (EtOH) | Passes | Clear golden yellow solution |
| 4. | Absorptivity 1%/1cm, (pH 3.8) at λ Max.441.4 nm (pH 5.4) at λ Max.616.2 nm | 262 546 | 240 - 270 530 - 570 |
| 5. | Loss on drying at 110°C (1hr) | 0.90% | < 3% |

Chief Chemist