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CERTIFICATE OF ANALYSIS

Name of the Sample : Neutral Red
Batch No. : 225178
Date of Mfg : Nov 2021
Date of Exp : Oct 2026
Register No. : 2021-22
Qty of Sample : 100gm
Date of Analysis : Nov 2021

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	Dark Green Powder
2.	Solubility 0.1% (50% EtOH + 2ml Acetic acid)	Passes	Clear red solution
3.	Absorptivity 1%/1cm, (50% EtOH+2ml Acetic acid) at λ max. 542.0 nm	922	> 915
4.	Assay (by spectrophotometry)	60.8%	> 60%
5.	Loss on drying at 110°C (1hr)	6.36%	< 8%
6.	Transition range (pH 6.8 - 8.0)	Passes	Violet Red - Yellow

Chief Chemist