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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Agarose Low EEO for Electrophoresis  
**Batch No.** : 226414  
**Date of Mfg** : March 2023  
**Date of Exp** : Feb 2028  
**Register No.** : 2023-24  
**Qty of Sample** : 100gm  
**Date of Analysis** : March 2023

S. No	Test Parameters	Observed Values	Standard Values
1.	Appearance	Passes	White to off-white Free flowing powder
2.	Solubility (Turbidity) 1.5% aq.hot solution	Clear	Clear
3.	Solubility (Colour) 1.5% aq. hot solution	Colourless	Colourless
4.	Gelling temperature	37.5°C	36 ± 1.5°C
5.	Loss on drying	8.7%	Max. 10%
6.	Sulphated Ash	0.48%	Max. 0.5%
7.	Sulphate (SO <sub>4</sub> )	0.15%	Max. 0.15%
8.	Gel strength (1.5% gel)	1202 g/cm <sup>2</sup>	Min. 1200 g/cm <sup>2</sup>
9.	Electroendosmosis EEO (-Mr)	0.101	0.09 - 0.13
10.	Absorbance (A) of 1.5% aq. solution at ~ 50°C in a 1cm cell v/s H <sub>2</sub> O		
	@430nm	0.04	Max. 0.1
	@525nm	0.02	Max. 0.05
	@655nm	0.01	Max. 0.03
11.	DNase, RNase, Protease	Not detected	Not detected

**Chief Chemist**