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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Agarose Low EEO for Electrophoresis  
**Batch No.** : 224936  
**Date of Mfg** : Sep 2021  
**Date of Exp** : Aug 2026  
**Register No.** : 2021-22  
**Qty of Sample** : 100gm  
**Date of Analysis** : Sep 2021

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	7.54%	Max. 10%
6.	Sulphated Ash	0.45%	Max. 0.5%
7.	Sulphate (SO <sub>4</sub> )	0.12%	Max. 0.15%
8.	Gel strength (1.5% gel)	1230 g/cm <sup>2</sup>	Min. 1200 g/cm <sup>2</sup>
9.	Electroendosmosis EEO (-Mr)	0.11	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	0.02	Max. 0.1
	@525nm	0.01	Max. 0.05
	@655nm	0.01	Max. 0.03
11.	DNase, RNase, Protease	Not detected	Not detected

Chief Chemist