



# Certificate of Analysis

<b>Product</b>	<b>32417 - Agarose Low Melting for molecular biology - [9012-36-6]</b>
<b>Batch No</b>	<b>7015061</b>
<b>Analysis Date</b>	06-Nov-2022
<b>Date of Manufacture</b>	November 2022
<b>Expiry Date/Re-Test Date</b>	November 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Free flowing powder	Free flowing powder
Solubility (Turbidity) 1.5% aq. hot solution	Clear	Clear
Solubility (Colour) 1.5% aq. hot solution	Colourless	Colourless
Loss on drying	max. 10%	6.0%
Sulphate (SO <sub>4</sub> )	max. 0.15%	Passes
Gelling temperature (1.5 %aq sol.)	26 - 30 °C	29°C
Melting temperature (1.5% gel)	≤ 65 °C	63°C
Gel strength (1% gel)	min. 200 gm/cm <sup>2</sup>	200 gm/cm <sup>2</sup>
Gel strength (1.5% gel)	min. 300 gm/cm <sup>2</sup>	500 gm/cm <sup>2</sup>
Gel strength (3% gel)	min. 500 gm/cm <sup>2</sup>	1200 gm/cm <sup>2</sup>
Electroendosmosis EEO (-Mr)	max. 0.10	Passes
Absorbance (A) of 1.5% aq. solution at ~ 50°C in a 1cm cell v/s H <sub>2</sub> O		
@430nm	max. 0.1	0.019
@530nm	max. 0.05	0.012
@655nm	max. 0.03	0.009
DNase, RNase, Protease	Not detected	Not detected