

## AS-101 D-1 AGAROSE LE

### Features:

- Extraordinary mechanical resistance for more reliable and easier handling.
- Possibility of varying pore size in accordance with particle size by modifying the gel concentration.
- Easy preparation of the gel by simple dilution in aqueous buffers either by standard boiling or microwaving.
- Greater thermal stability due to high hysteresis (difference between gelling and melting temperatures).
- Excellent transparency of the gel and high visibility.
- Exceptionally low absorption of staining agents.
- Absence of toxicity (polyacrylamide is neurotoxic).

### Specifications:

D-1 LE	
<b>Lot.</b>	<b>LF45100006</b>
<b>Moisture</b>	3.67%
<b>Ash</b>	≤ 0.35%
<b>EEO*(pH 8.4)</b>	0.12
<b>Sulfate</b>	≤ 0,068%
<b>Clarity 1.5% (NTU)</b>	2.92
<b>Gel Strength 1%(g/cm<sup>2</sup>)</b>	≥ 1.230
<b>Gel Strength 1.5% (g/cm<sup>3</sup>)</b>	≥ 3.065
<b>Gelling Temperature 1.5% (°C)</b>	36.5
<b>Melting Temperature 1.5% (°C)</b>	87.8
<b>DNase/Rnase activity</b>	None detected
<b>DNA resolution ≥ 1000 bp</b>	Finely Resolved
<b>Gel Background</b>	Very low

### Applications:

- D-1 LE: with Low EEO. High electrophoresis mobility.
- Nucleic acid analytical and preparative electrophoresis.
  - Blotting.
  - **Protein electrophoresis such as radial immunodiffusion.**

D1-LE Agarose gels in 1X TAE buffer A-0.75%, B-1%, C-1.25% Marker: 1kb ladder.  
Electrophoresis conditions: submarine gel, 2 hours 30 min, 4.5 V/cm in 1X TAE buffer.

