

Certificate of analysis

Product Name/Description: PrimeGel™ Agarose LE 1-20K GAT
Cat. #: 5801A
Lot #: Specified on product label
Storage Conditions: Room temperature
Expiration Date: 2 years from date of receipt under proper storage condition

Package Size: 100 g

Package Contents: 1. PrimeGel™ Agarose LE 1-20K GAT 100 g

Quality Control Data:

Chemical and Physical Test:

- 1) Moisture was $\leq 7\%$
- 2) Ash was $\leq 0.4\%$
- 3) "Electroendosmosis -Mr (pH 8.4, Wieme method)" was 0.05 - 0.13
- 4) Sulfate was $\leq 0.1\%$
- 5) Clarity (NTU) of 1.5% was ≤ 3
- 6) Gel Strength (g/cm²) of 1% was ≥ 1200
- 7) Gel Strength (g/cm²) of 1.5% was ≥ 2500
- 8) Gelling Temperature of 1.5% was $36 \pm 1.5^\circ\text{C}$
- 9) Melting Temperature of 1.5% was $88 \pm 1.5^\circ\text{C}$

Functional Test:

- 1) Comparative assay of different size DNA fragments: Passed
- 2) Background fluorescence assay in Ethidium Bromide: Passed
- 3) DNase and RNase activity: Not detected

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
www.takarabio.com (English)

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