



Agarose GQT

(CAS NO: 9012-36-6)

Cat. No.	Size
E0306-100	100 g

Grade: Electrophoresis grade

Batch No.: D00530

Report date: 03.2022

Highly pure agarose recommended for DNA preparation gels. GQT (Genetic Quality Tested) certificate ensures that DNA fragments from agarose can be directly used in further procedures (restriction enzyme digestion, ligation, sequencing etc.), without the need of additional purification.

Characteristics:

- GQT certificate.
- Low EEO.
- High gel strength, forming easy-to-handle gels.
- No DNA binding.
- No DNase and RNase activity.
- Clear and sharp bands.
- High efficiency transfer for DNA (blotting).
- Easy preparation of the gel by simple dissolution in aqueous buffers either by standard boiling or microwaving.
- No smearing.
- No gel background. Low ethidium bromide and SYBR Green background staining.

CERTIFICATE OF ANALYSIS

TEST	SPECIFICATION	RESULTS
Appearance:	White, homogeneous powder	pass
Solubility:	clear colorless solution at 1 g plus 100 ml water	pass
Water:	≤7%	5.39%
Gel strength (1% Gel):	≥1200 g/cm ²	1390 g/cm ²
Gel strength (1.5% Gel):	≥2500 g/cm ²	2945 g/cm ²
EEO (Electroendosmosis):	≤0.13	0.12
Ash	≤0.4%	0.34%
Sulfate:	≤0.1%	0.099%
Gelling point (1.5% Gel):	36°C ± 1.5°C	36.5°C
Melting point (1.5% Gel):	88°C ± 1.5°C	88.7°C
Clarity (NTU) (1.5% Gel):	≤3	2.92
DNase:	None	pass
RNase:	None	pass
Protease:	None	pass
Endonuclease/ligase inhibitory factor:	None	pass

This product is developed, designed and sold exclusively for research purposes and in vitro use only.

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