



High Resolution Agarose

(CAS NO: 39346-81-1)

Cat. No.	size
E0302-50	50 g

Grade: Molecular biology grade

Lot number: M00041

Report date: October 2018

High Resolution Agarose is an intermediate melting point agarose that efficiently separates small DNA and RNA fragments between 20 and 800 bp in length and yields ultra high resolution with high clarity and low background.

Recommended applications: analysis of AFLP's (Amplified Fragment Length Polymorphisms), STR's (Short Tandem Repeats) and tetranucleotide repeats; recovery of nucleic acids, analytical and preparative electrophoresis of DNA and RNA of 20 to 800 bp in length.

CERTIFICATE OF ANALYSIS

TEST	SPECIFICATION	RESULTS
Appearance:	white to off-white powder	white powder
Solubility:	clear colorless solution at 2g plus 100 ml water	pass
Water:	≤10%	6.92%
Gel strength (1.5% Gel):	≥750 g/cm ²	1630 g/cm ²
EEO (Electroendosmosis):	≤0.1	0.1
Sulfate:	≤0.1%	0.077%
Gelling point (1.5% Gel):	≤33°C	31.5°C
Melting point (1.5% Gel):	≤77°C	76.4°C
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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