

## CERTIFICATE OF ANALYSIS

### K210016 PureLink HiPure Plasmid Filter Maxiprep Kit

**Packaging Lot:** 2806447

**Expiry Date:** 30.09.2025 (DD.MM.YYYY)

**Storage:** at room temperature

#### Filling lots for components in package:

Lot	Quantity	Description
2801934	0.65 mL	RNase, 20 mg/ml
2803753	30 mL	TE Buffer (TE)
2802230	110 mL	Resuspension Buffer (R3)
2804277	330 mL	Equilibration Buffer (EQ1)
2801310	110 mL	Lysis Buffer (L7)
2802053	110 mL	Precipitation Buffer (N3)
2803003	175 mL	Elution Buffer (E4)
2802118	2 x 330 mL	Wash Buffer (W8)
2801652	1 pack	Column Holder maxi
2803716	2 x 1 pack	HiPure Maxi Filter Columns

#### QUALITY CONTROL

Parameter	Method	Requirement	Result
Yield of purified control plasmid DNA	PureLink HiPure Plasmid Filter Maxiprep Kit is qualified by isolating a high copy number control plasmid DNA from 100 ml of overnight E. coli culture following the protocol outlined in the manual.	$\geq 750 \mu\text{g}$	Conforms
Purity	A260/A280 ratio.	$\geq 1.8$	Conforms
Flow rate	Average accumulated column processing time.	30 - 45 min	Conforms
Gel electrophoresis	1 $\mu\text{g}$ of purified plasmid DNA is run on an agarose gel.	A dominant band of supercoiled plasmid DNA is observed, no RNA visible	Conforms
Digestion	The plasmid DNA is evaluated by digestion (1 $\mu\text{g}$ 15 min) of purified plasmid DNA with Anza™11 EcoRI restriction endonuclease.	DNA - completely digested, no additional fragments	Conforms

#### ISO CERTIFICATION

Manufactured by Thermo Fisher Scientific Baltics UAB, in compliance with ISO 9001 and ISO 13485 certified quality management system.

Quality authorized by QC: **J. Žilinskienė**

