

## CERTIFICATE OF ANALYSIS

**SM1701 NoLimits™ 2000bp DNA Fragment**

**Packaging Lot: 2822407**

**Expiry Date: 31.08.2027 (DD.MM.YYYY)**

**Storage: at -20±5°C**

### Filling lots for components in package:

Lot	Quantity	Description
2792475	10 µg	NoLimits™ 2000bp DNA Fragment

### QUALITY CONTROL

Parameter	Method	Requirement	Result
Appearance	Visual inspection.	Clear colorless solution	Conforms
Concentration	Spectrophotometrical measurement of absorption at 260 nm.	0.500 µg/µL ± 4%	Conforms
A <sub>260</sub> /A <sub>280</sub>	Spectrophotometrical measurement.	1.80 – 2.00	Conforms
A <sub>260</sub> /A <sub>230</sub>	Spectrophotometrical measurement.	> 2.00	Conforms
Identity	0.5 µg of the DNA fragment is analyzed by agarose gel electrophoresis in parallel with the same DNA fragment from a previous bulk lot.	1 specific DNA fragment is visible and corresponds to that from the previous bulk lot	Conforms
Purity	0.005 µg of the fragment is analyzed by capillary electrophoresis on Agilent 2100 Bioanalyzer with the DNA 7500 Assay.	1 unique sharp peak is detected, with no additional peaks. Purity according to Bioanalyzer: 100%	Conforms
Deoxyribonucleases	Incubation of Lambda DNA at elevated temperature (37 °C) and analysis on agarose gel.	No changes in bands intensity, no smearing is observed after incubation	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**

