

CERTIFICATE OF ANALYSIS

ER1081 BseDI (BsaJI)

Packaging Lot: 2828676

Expiry Date: 30.09.2027 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

| Lot | Quantity | Description |
|---------|----------|------------------|
| 2828676 | 0.3 kU | BseDI (BsaJI) |
| 2803057 | 1 mL | 10x Buffer Tango |

QUALITY CONTROL

| Parameter | Method | Requirement | Result |
|---|--|----------------|----------|
| Concentration | One unit is defined as the amount of enzyme required to digest 1 µg of lambda DNA in 1 hour at 55 °C in 50 µL of assay buffer. | 10 - 12 U/µL | Conforms |
| Endo-exodeoxyribonucleases and phosphatases | Incubation of single stranded and double stranded labeled oligonucleotides with appropriate amount of enzyme for 4 hour at 37 °C and 55 °C in assay buffer. | Not detectable | Conforms |
| Star Activity | After 160-fold overdigestion (10 U/µg lambda DNA for 16 hours at 55 °C) with enzyme the fragmentation pattern is analysed. No detectable changes compared to the theoretical fragmentation pattern are considered as absence of star activity. | Not detectable | 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**

