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# CERTIFICATE OF ANALYSIS

## A46109 PowerTrack™ SYBR™ Green Master Mix

**Packaging Lot:** **3293183**
Expiry Date: 30.06.2027 (DD.MM.YYYY)
Storage: at -20±5°C in the dark
Note: **For Research Use Only. Not for use in diagnostic procedures.**

**Filling lots for components in package:**

| Lot | Quantity | Description |
|---|---|---|
| 3281601 | 5 mL | PowerTrack™ SYBR™ Green Master Mix |
| 3292351 | 1.25 mL | 40X Yellow Sample Buffer |

## QUALITY CONTROL

| Parameter | Method | Requirement | Result |
|---|---|---|---|
| Functional Test | The product is functionally tested by qPCR analysis. It must demonstrate functional performance using a target concentration of plasmid DNA. | Average Ct for the target concentration is between 20 and 23 | Pass |
| dNTP Concentrations | Determined by analytical method. | Within range of target concentration | Pass |
| $Mg^{2+}$ Concentration | Determined by analytical method. | Within range of target concentration | Pass |
| $K^{+}$ Concentration | Determined by analytical method. | Within range of target concentration | Pass |
| RNase Activity | Determined by analytical method. | No detectable activity level | Pass |
| DNase Activity | Determined by analytical method. | No detectable activity level | Pass |
| E. coli DNA Level | Determined by analytical method. | No detectable level | Pass |

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

**Quality authorized by:** J. Žilinskienė