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CERTIFICATE OF ANALYSIS

A46109 PowerTrack™ SYBR™ Green Master Mix

Packaging Lot: **3294505**
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
3292354	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