

# Certificate of Analysis

## Platinum™ SYBR™ Green qPCR SuperMix-UDG w/ROX

Product No. 11744100, 11548656

Lot No. 2995456

Date of Manufacture 09-Sep-2024

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### Quantitative PCR Assay

Platinum® SYBR® Green qPCR SuperMix - UDG is functionally tested using plasmid DNA quantified by digital PCR to ensure robust amplification of DNA targets.

Specification: The slope must be  $-3.4 \pm 0.2$ .

Result: Meets specification.

Specification: The amplification efficiency must be  $\geq 90\%$ .

Result: Meets specification.

Specification: The correlation coefficient ( $r^2$ ) must be  $\geq 0.99$ .

Result: Meets specification.

Specification: Template dilutions must show only one peak in the melt curve.

Result: Meets specification.

Specification: Average Ct value of 1,000 copy level must be  $24.5 \pm 1.5$ .

Result: Meets specification.

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For Research Use Only. Not for use in diagnostic procedures.

Thermo Fisher Scientific  
Life Sciences Solutions  
5781 Van Allen Way  
Carlsbad, CA, USA 92008  
<https://www.thermofisher.com>  
For inquiries, contact us at [cofarequests@thermofisher.com](mailto:cofarequests@thermofisher.com)



Chevohn Joseph  
Director, Quality  
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