

## Certificate of Analysis

**Catalogue No:** MB354

**Product name:** NZYtaq II DNA polymerase

**Batch No:** YO031

**Expiry Date:** 09/2023

Components	Batch
NZYtaq II DNA polymerase	NM091
Reaction buffer (10x)	ZN093
MgCl <sub>2</sub> Solution (50 mM)	ZN051

Test	Specification	Result
Enzyme purity*	Enzyme is >90% pure as judged by SDS polyacrylamide gel electrophoresis	Pass
Genomic DNA contamination*	No genomic DNA is detectable through specific PCR assay	Pass
DNase activity	No visible nicking or cutting of DNA is detectable after 16h incubation at 37°C as judged by agarose gel electrophoresis	Pass
Functional assay	Amplification from genomic DNA template dilution series	Pass

\*These assays were exclusively performed with the enzyme

This batch meets our specification.

**Date:** 07/04/2022



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