

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-31 15:59:04

Date of Next Testing: 2027-03-31 15:59:04

 Product Name: **HiFi Hotstart PCR Mix**

CAS Number:

Specifications & Purity:

BioReagent, DNase, RNase free, PCR Reagent, for DNA and RNA applications, UltraBio™, Suitable for Molecular Biology, 25μL/T

Lot #: ZJ26F0333672

 SKU #: **FP1508888**

 Version: **1**

Analysis #: 032469

Parameter	Limit Value	Result
Appearance(FP1508888)	Clear colorless liquid at RT; solid at -20 °C. Slight precipitation on thawing, completely dissolved by vortexing.	Clear colorless liquid at RT; solid at -20 °C. Slight precipitation on thawing, completely dissolved by vortexing.
Seal Integrity Testing	Conform	Conform
Endonuclease Activity: ≤10% plasmid band shift in 50μL NEBuffer 2 system (200ng PMD-18T, ≥1U HiFi Hotstart PCR Mix) after 16h incubation at 37°C (agarose gel).	Conform	Conform
Functional Testing: 1kb PCR product obtained by 25 cycles in 50μL system (1ng Lambda DNA, 0.5μM primers, HiFi Hotstart PCR Mix).	Conform	Conform
PCR DNA Contamination (E. coli Genomic): Residual E. coli genomic DNA < 0.1 copies/μL.	Conform	Conform
Stability: No difference in PCR product size, yield, specificity and sensitivity after 7d storage at 37°C.	Conform	Conform



 Sophia Cheng
Quality Assurance