

# Certificate of Analysis



**Product Name:** High Fidelity Hot Start Pol

**Description:** Heat-activatable DNA polymerase for high specificity and accuracy

**Catalog Number:** HFHS\_100KU  
HFHS\_1000KU

**Lot:** HFHS-1509.1

**Source:** *Thermus species*

**Expressed in:** *Escherichia coli*

**Concentration:** 2.5 units/μl

**Stability:** 24 months from Certification Date

Test	Specification	Results
Low Copy Long Range PCR (18 kb, lambda DNA, template dilution series)	PCR fragment with 200 pg of template or less	10 pg
Contamination with human DNA (qPCR, beta-actin gene)	not detectable	conforms
Contamination with bacterial DNA (qPCR, 16S rRNA)	not detectable	conforms
DNases, RNases, Nicking Activity (FRET)	not detectable	conforms

QC acceptance date: September 16, 2015

Sebastian Bügener, Quality Control