

Certificate of Analysis



Product Name: High Fidelity Pol
Description: Thermostable DNA polymerase for high accuracy
Catalog Number: HF_100KU
 HF_1000KU
Lot: HF-1601.1
Source: *Thermus species*
Expressed in: *Escherichia coli*
Concentration: 2.5 units/ μ l
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	20 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: January 20, 2016

Sebastian Bügener, Quality Control