

Certificate of Analysis



Product Name: Pfu-X Polymerase

Description: Proofreading DNA polymerase for high accuracy

Catalog Number: PFUX_10KU
PFUX_100KU

Lot: PFUX-1505.1

Source: *Pyrococcus furiosus*

Expressed in: *Escherichia coli*

Concentration: 2.5 units/ μ l

Stability: 24 months from Certification Date

Test	Specification	Results
Low Copy PCR (4 kb, lambda DNA, template dilution series)	PCR fragment with 50 pg of template or less	50 fg
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: May 12, 2015

A handwritten signature in black ink that reads "Sebastian Bügener".

Sebastian Bügener, Quality Control