

**Kit CoA Cover Page**

KAPA HiFi HS Uracil+ RM (6.25 ml)			
Kit Code	Part Number	Lot Number	Kit Expiry Date
KK2802	07959079001	004265-13-1	2018-03-02

Component Code	Component Description	Component Lot Number
KM2802	2x HiFi HS Uracil+ MM (6.25 ml)	00064070

CoA's are not issued for complete kits, but for the individual component lots from which kits are assembled. CoA's for all component lots listed are attached.

Generated By	Date
Melissa Jonas (QC Scientist)	2016-09-09



## Certificate of Analysis

### PRODUCT DETAILS

Product name	2X HiFi HS Uracil + ReadyMix	
Code & Pack size	KM2802	6.25 ml
Lot number	64070	
Code and lot number of bulk corresponding solution	BM0030	63829

### QUALITY CONTROL PARAMETERS

Parameter	Specification	Result
Purity	The enzyme contained in this product is extensively purified through the use of multiple chromatography steps. The final formulation contains <2% contaminating protein, as determined in an Agilent Protein 230 Assay.  The nucleotides contained in this product are >98% pure, as determined by HPLC analysis.	Passed
Functional assay	A single, distinct band visible by agarose gel electrophoresis/ ethidium bromide staining, following amplification of a 599 bp DNA fragment from a dilution series of 10 ng – 100 pg human genomic DNA under standard reaction conditions.	Passed
Endonuclease activity	No detectable nicking or linearization of plasmid DNA after incubation for 8 hours at 37 °C, as assessed by agarose gel electrophoresis/ethidium bromide staining.	Passed
Exonuclease activity	No detectable degradation of lambda DNA after incubation for 8 hours at 37 °C, as assessed by agarose gel electrophoresis/ ethidium bromide staining.	Passed
DNA contamination	A standard reaction with no template contains <50 fg/μl bacterial genomic DNA ( <i>E. coli</i> and related strains; as assessed by amplification of a 411 bp 16S rRNA fragment using a multicopy primer set in a 35-cycle reaction) and <0.5 pg/μl human genomic DNA (as assessed by amplification of a 290 bp b-actin fragment using a multicopy primer set in a 35-cycle reaction).	Passed

Generated by Toni Hartel (QC Scientist)

2015-06-12