



Certificate of Analysis

Part Name: 2x PCR Master Mix
Part number: PD045/S045
Lot number: NM045614-23
Specification Reference: PB009613-10
Concentration: 5 units/ μ L (One unit is defined as the amount of enzyme that will incorporate 15 nmol of dNTP into acid-insoluble material in 30 minutes at 75°C)
Expiry date: 01/09/2019

Quality Control:

Parameter	Assay description	Requirement	Result
Activity assay	Fluorescent incorporation assay	+/- 5% of standard	Conforms
SDS-PAGE analysis	Coomassie staining	>98% purity	Conforms
Nuclease activity assay	Degradation of dsDNA and ssRNA	Not detected	Conforms
qPCR mouse genomic DNA contamination	qPCR analysis using intron spanning primers.	Not detected	Conforms
Endpoint and qPCR sensitivity assay	qPCR assay for yield and sensitivity	+/- 5% of standard	Conforms
Hotstart assay	Fluorescent primer extension inhibition assay	Extension inhibited	Conforms

Change Control Statement: PCR Biosystems Ltd confirms that any changes to this current version of CofA do not alter the component specification and functionality from previous lots.

Approved for sale by: Mark Stevens

Signed: 