



**Certificate
of Analysis**

Verified by:
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Quality Release date:
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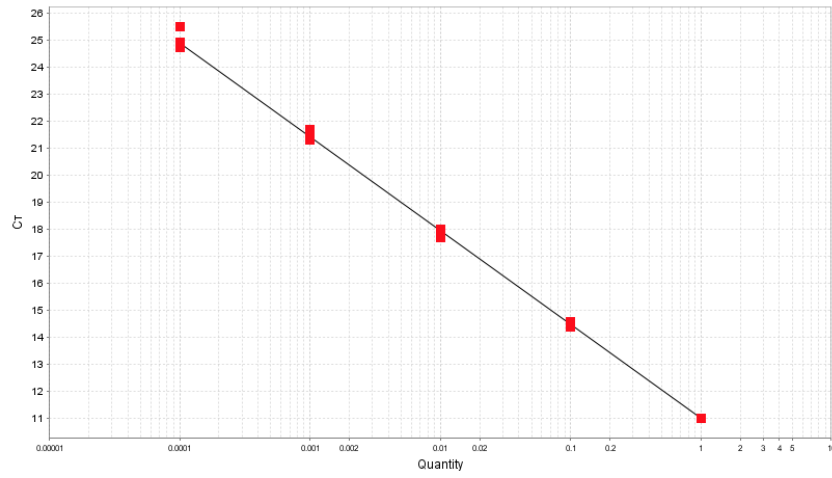
Product Name: **Chai Green 20X**
Catalog Num: R01200
Lot Num: 5434204
Analysis Date: Aug 12, 2019
Expiration Date: Aug 12, 2021
Storage: Store at -20 °C
Ships at ambient temperature

Test

Functional Testing*	Specification	Results
Lambda assay efficiency	90-110%	PASS
Lambda assay R ²	>0.990	PASS
Absorbance of 1X dye at pH 8		
O.D. 488 nM	0.35< Value <0.42	PASS

* Functional testing—Lambda assay efficiency and R² was determined using varying starting amounts of lambda phage genomic DNA as template, primers, Chai PCR Master Mix (2X) and Chai Green 20X. A 200 bp amplicon was amplified using cycling conditions of 2 min @ 95 °C, 40 x [20 s @ 95 °C, 60 s @ 60 °C].

Standard Curve



Lambda Assay using Chai Green

$$y = -3.468(x) + 10.994$$

$$R^2 = 0.998$$