



Certificate of Analysis

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Quality Release date:
Oct 21, 2015

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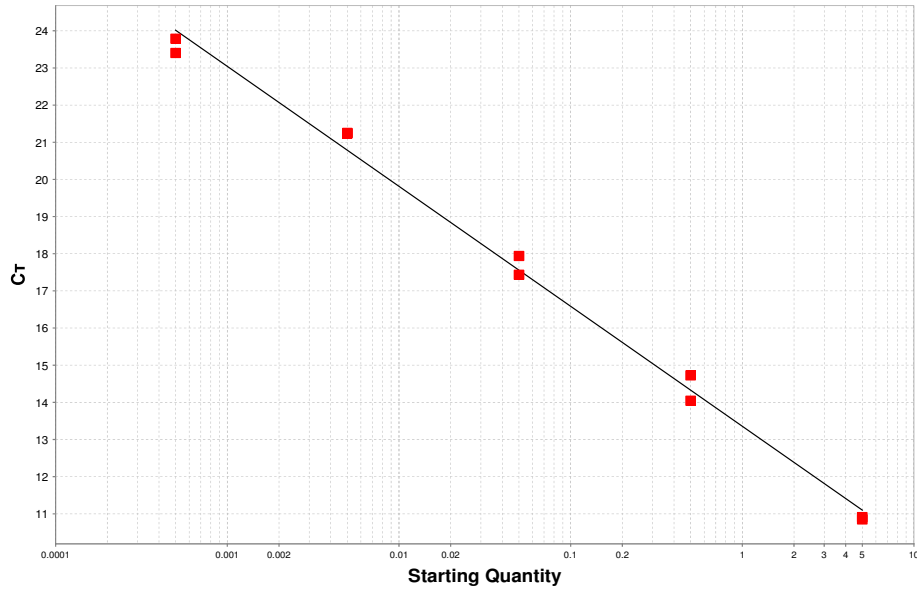
Product Name: **Chai Green 20X**
Catalog Num: R01200
Lot Num: 5516611
Analysis Date: Oct 21, 2015
Expiration Date: Oct 21, 2017
Storage: Store at -20 °C

Test

Functional Testing*	Specification	Results
Lambda assay efficiency	90-110%	PASS
Lambda assay R ²	>0.990	PASS
Absorbance at pH 8		
O.D. 488 nM	0.1 < Value < 0.18	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 3 min @ 95 °C, 40 x (15 s @ 95 °C, 60 s @ 60 °C).

Standard Curve



Lambda Assay using Chai Green

$$y = -3.312 (x) + 13.171$$

$$R^2 = 0.993$$