



Certificate of Analysis

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Quality Release date:
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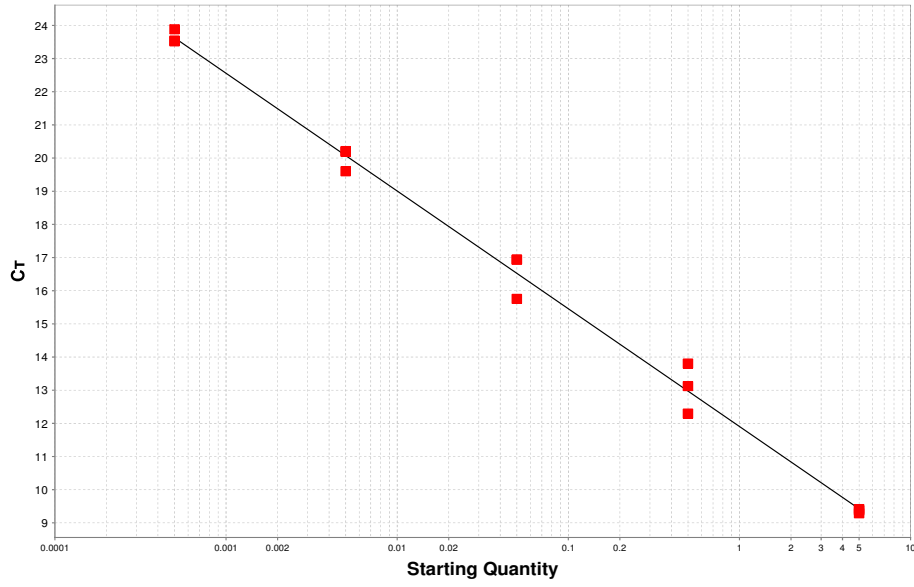
Product Name: **Chai Green 20X**
Catalog Num: R01200
Lot Num: 8802404
Analysis Date: Nov 14, 2017
Expiration Date: Nov 19, 2019
Storage: Store at -20 °C

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

$$y = -3.55 (x) + 11.906$$

$$R^2 = 0.994$$