



## Certificate of Analysis

Verified by:  
Jyothi Vishumangalam

*J. Vishumangalam*

Quality Release date:  
Oct 18, 2017

Chai Biotechnologies Inc.  
Santa Clara, CA 95050  
Phone: +1 (650) 779-5577

---

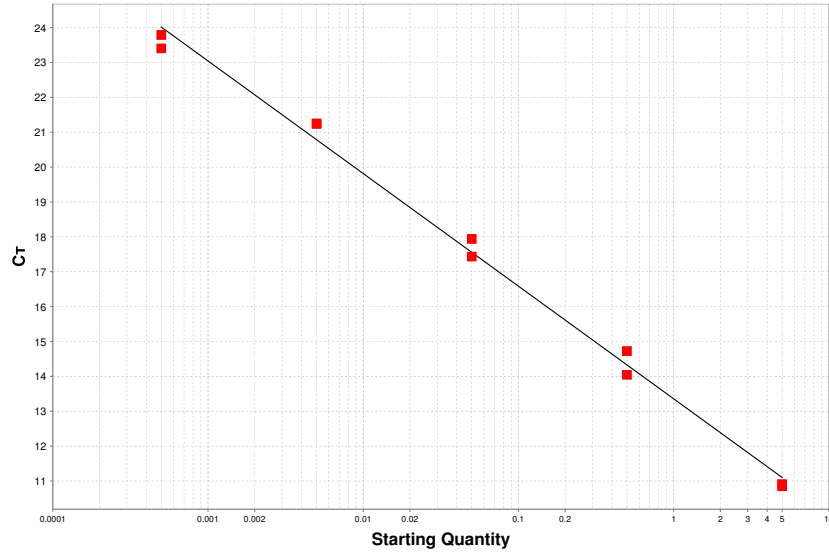
Product Name: **Chai Green 20X**  
Catalog Num: R01200  
Lot Num: 4557844  
Analysis Date: Oct 18, 2017  
Expiration Date: Sept 19, 2019  
Storage: Store at -20 °C

### Test

Functional Testing*	Specification	Results
Lambda assay efficiency	90-110%	PASS
Lambda assay R <sup>2</sup>	>0.990	PASS
<b>Absorbance at pH 8</b>		
O.D. 488 nM	0.1 < Value < 0.18	PASS

\* Functional testing—Lambda assay efficiency and R<sup>2</sup> 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

$$y = -3.229 (x) + 13.357$$

$$R^2 = 0.995$$