Certificate of Analysis

Verified by:
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Quality Release date:
May 28, 2019

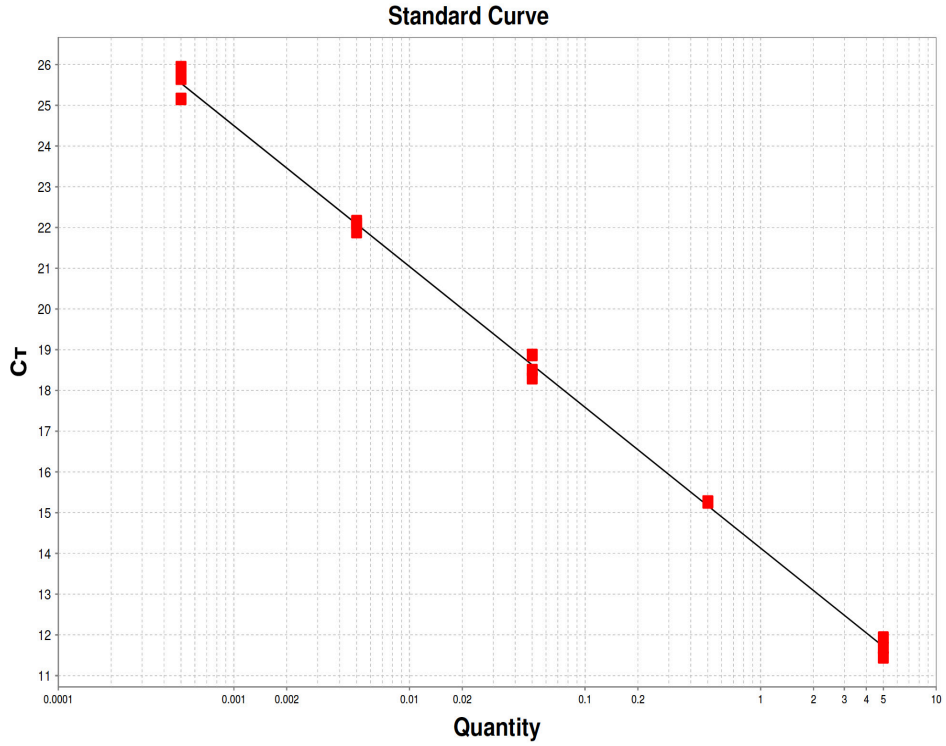
Chai Biotechnologies Inc.
Santa Clara, CA
Phone: +1 (650) 779-5577

Product Name: **Chai Green 20X**
Catalog Num: R01200
Lot Num: 2251083
Analysis Date: May 28, 2019
Expiration Date: May 24, 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 R^2 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 ºC, 40 x (20 s @ 95 ºC, 60 s @ 60 ºC).



Lambda Assay using Chai Green

y = -3.457(x) + 14.13

R^2= 0.998