

Certificate of Analysis

Spectrophotometric Chlorophyll Standards

5 April 2021

Lot CAS167-01

Original Chlorophyll Solution A:

Mixed: 30 March 2021

Spectrophotometric Data: 30 March 2021

Abs₆₆₄ = 0.88698 Abs₇₅₀ = 1.8005E-3

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 10.1 mg/L

Chlorophyll dilution A is provided with this note. The concentration value is guaranteed through April, 2022, but degradation depends on the handling of the standard. Standards must be kept at temperatures below -20° C and in the dark until use. Spectrophotometers should be standardized in subdued light with this solution warmed to room temperature, about 22° C. The determination of chlorophyll-a in aqueous acetone solvent is a sensitive technique. Please pay special attention to the configuration of the spectrophotometer itself. A bandpass of 2.0 nm or less is necessary to properly use this standard.



John Salinas
Analytical Chemist

5 April 2021
Date



Reliable Instruments for an Unreliable World
1995 N. 1st Street Telephone 408-749-0994
San Jose, CA 95112 Toll Free 877-316-8049
www.turnerdesigns.com Fax 408-749-0998