

Certificate of Analysis

Spectrophotometric Chlorophyll Standards

21 July 2020

Lot CAS165-01

Original Chlorophyll Solution A:

Mixed: 16 July 2020

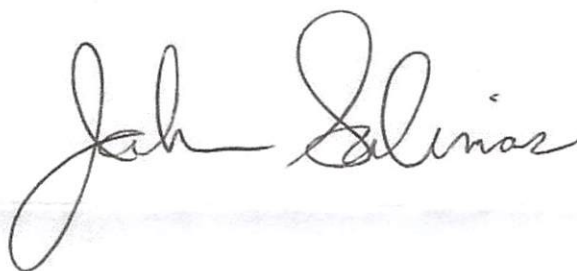
Spectrophotometric Data: 16 July 2020

Abs₆₆₄ = 0.88403 Abs₇₅₀ = -3.2043E-3

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 10.12 mg/L

Chlorophyll dilution A is provided with this note. The concentration value is guaranteed through July, 2021, 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.



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Analytical Chemist

21 July 2020
Date



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