

Certificate of Analysis

Spectrophotometric Chlorophyll Standards

4 April 2022

Lot CAS 170-01

Original Chlorophyll Solution A:

Mixed: 3 April 2022

Spectrophotometric Data: 3 April 2022

Abs₆₆₄ = 0.88625 Abs₇₅₀ = 2.2888E-3

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 10.08 mg/L

Chlorophyll dilution A is provided with this note. The concentration value is guaranteed through April 2023, 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

4 April 2022
Date



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