

Certificate of Analysis

Spectrophotometric Chlorophyll Standards

20 April 2022

Lot CAS 170-02

Original Chlorophyll Solution A:

Mixed: 3 April 2022

Spectrophotometric Data: 20 April 2022

$Abs_{664} = 0.87688$ $Abs_{750} = 7.2632 \text{ E-3}$

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 9.92 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

20 April 2022
Date



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