

# Certificate of Analysis

## Spectrophotometric Chlorophyll Standards

16 November 2020

Lot CAS166-01

### Original Chlorophyll Solution A:

Mixed: 16 November 2020

Spectrophotometric Data: 16 November 2020

Abs<sub>664</sub> = 0.94983

Abs<sub>750</sub> = 4.725E-3

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 10.79 mg/L

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

19 November 2020  
Date



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