

# Certificate of Analysis

## Spectrophotometric Chlorophyll Standards

14 October 2021

Lot CAS 168-03

### Original Chlorophyll Solution A:

Mixed: 4 August 2021

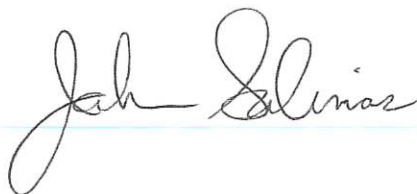
Spectrophotometric Data: 9 October 2021

Abs<sub>664</sub> = 0.86594      Abs<sub>750</sub> = -4.2725E-3

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 9.93 mg/L

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



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Analytical Chemist

14 October 2021  
Date



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