

# Certificate of Analysis

## Spectrophotometric Chlorophyll Standards

8 August 2018

Lot CAS159-01

### Original Chlorophyll Solution A:

Mixed: 31 July 2018

Spectrophotometric Data: 31 July 2018

Abs<sub>664</sub> = 0.8708                  Abs<sub>750</sub> = -4.2419 E-03

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 9.98 mg/L

Chlorophyll dilution A is provided with this note. The concentration value is guaranteed through July, 2019, 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.



8 August 2018

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Date

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