

# Certificate of Analysis

## Spectrophotometric Chlorophyll Standards

7 August 2017

Lot CAS157-01

### Original Chlorophyll Solution A:

Mixed: 2 August 2017

Spectrophotometric Data: 2 August 2017

$Abs_{664} = 0.87495$        $Abs_{750} = 5.9967 \text{ E-}03$

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 9.91 mg/L

Chlorophyll dilution A is provided with this note. The concentration value is guaranteed through August, 2018, but degradation depends on the handling of the standard. Standards must be kept at temperatures below  $-20^{\circ} \text{C}$  and in the dark until use. Spectrophotometers should be standardized in subdued light with this solution warmed to room temperature, about  $22^{\circ} \text{C}$ . 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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John Salinas  
Analytical Chemist

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7 August 2017  
Date

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