

# Certificate of Analysis

## Spectrophotometric Chlorophyll Standards

29 November 2021

Lot CAS 169-01

### Original Chlorophyll Solution A:

Mixed: 4 November 2021

Spectrophotometric Data: 4 November 2021

Abs<sub>664</sub> = 0.93715

Abs<sub>750</sub> = 9.2392E-2

Chlorophyll concentration determination (Jeffrey Method, 1997)

Chlorophyll-a = 9.64 mg/L

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



John Salinas  
Analytical Chemist

29 November 2021  
Date

**TURNER**  
 **DESIGNS**

**Reliable Instruments for an Unreliable World**  
1995 N. 1st Street Telephone 408-749-0994  
San Jose, CA 95112 Toll Free 877-316-8049  
www.turnerdesigns.com Fax 408-749-0998