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# CERTIFICATE OF ANALYSIS AND CALIBRATION

**Certificate No.:** CH3122B

**Product No:** BC4094-7,000 **Analysis/Lot No.:** H3122B

**Product Description:** Conductivity Standard 7,000 µMho/cm @ 25°C

**Date of Manufacture:** 8/31/2022 **Expiration Date:** 8/1/2024

**Traceability:** The calibration of this product is traceable to NIST or International Standards through the following standards and equipment used in its manufacture.

| Instrument | ID Number | Calibration Expiration | Traceable Reference |
|---|---|---|---|
| Conductivity Meter & Cell | 05D-97C-K10 | 6/21/2023 | SF2122C |
| Thermometer | A9B0909 | 5/3/2024 | C1427018 |

This Biopharm Product has been manufactured according to a written batch record which provides complete traceability to the lot(s) of raw material(s) used in its preparation. In addition, our records document the methods used in the formulation and analysis of this product. These records are kept for a period of not less than one (1) year to furnish additional data should any question arise at some future date.

**Accuracy:** This product was manufactured using standards with an accuracy of 0.25%. The accuracy at the expiration date will be within 1% of the original value under normal conditions of storage and handling. The reported uncertainty (U) is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" and corresponds to a coverage probability of approximately 95% ( k = 2 ).

**Analyzed by:** Michael Tilley (Chemist) **Analysis Procedure:** BSP0020

**Analysis Date:** 8/31/2022 **Procedure Deviations:** None

**Analysis Results:** 7,000 µMho/cm ; uc = (+/-) 24 uMho/cm @ 25.0°C

**Certifying Chemist:** Michael Tilley (Chemist) **Calibration Status:** Pass

**Signature:** Michael Tilley **Date:** 8-31-22