Accurate ICPMS determination of trace elements in seawater and other high matrix samples is hindered by matrix effects from high total dissolved solids (TDS). Traditionally, matrix-matched calibration standards have been used to achieve accurate trace metal determinations in high TDS samples, but even in "ultrapure" salts, significant metal contamination is prevalent.

seaBlank has the lowest metal blank level of any ultrapure sodium chloride on the market, making it ideal for any ICPMS applications requiring low detection limits for trace metals in high matrix samples. seaBlank is purified and packaged under class 100 clean room conditions with rigorously cleaned bottles for the lowest possible blank levels, ensuring trace metal contamination in the low or sub-ppt range for elements including Mn, Fe, Co, Ni, Cu, Zn, Cd, and Pb.

Specifications

- 10-11% Sodium chloride (NaCl) in water, 500 mL

Features

- Purified and packaged under class 100 clean room conditions
- Low or sub-ppt contamination for most elements on the periodic table

Applications

- Add to calibration standards for seawater matrix matching
- Reduce carryover from calibration for seaFAST Preconcentration mode
- Online matrix modifier for ICP and ICPMS determinations to reduce internal standard fluctuation
- Synthetic saline matrix for trace metal research in biomedical and molecular biology applications