



## Certificate of Analysis.

### Fluoride Ion Solution 1000 ppm Standard For Ion Selective Electrode.

Product Code:	<b>BS11717.</b>
Description:	<b>Fluoride Ion Solution 1000 ppm Standard For Ion Selective Electrode.</b>
Synonym:	<b>NA.</b>
Pack Size:	<b>500 ml.</b>
CAS NO.:	<b>NA.</b>
Mol. Weight:	<b>NA.</b>
Mol. Formula:	<b>NA.</b>
Solubility:	<b>Miscible in water.</b>
Accuracy:	<b>± 5%.</b>
Storage:	<b>Store at ambient temperature.</b>
Batch No:	<b>Sample.</b>
Manufacture Date:	<b>Lot specific.</b>
Expiry Date:	<b>2 years.</b>

Characteristics	Specification	Measured Values
Appearance:	Colourless clear liquid.	<b>Lot specific.</b>
Odour:	Odourless.	<b>Lot specific.</b>
Concentration:	950 - 1050 ppm @ 25°C.	<b>Lot specific.</b>

Note: - This material is only for laboratory purpose and not for human consumption.

#### **Certification & Traceability:**

This product was manufactured, processed and/or certified under a quality management system that is complies with **ISO 17034:2016 and ISO/IEC 17025: 2017**. This product was prepared to the certified concentrations shown above by gravimetric methods.

The solution was diluted with filtered (0.22 µm), 18 M-ohm deionized water and stabilized with the appropriate high-purity acid as indicated in the matrix. The balances used in the preparation of this product are calibrated regularly, using a calibration provider that is complies with **ISO/IEC 17025**. All standard components used in the manufacture of this product are pre-qualified and verified before use. All volumetric dilutions are performed in Class A calibrated glassware.

Tests were performed for capacity, readability, repeatability and linearity. Secondary verification of the certified concentrations. This product is manufactured, packaged, stored, and shipped in accordance with good manufacturing practices that is certified to **WHO-GMP**.



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The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of **k=2**.

**Validity Period:**

Briti Scientific standards ensures the accuracy of this product for 2 years from the manufacture date given above, provided the instructions for use are followed.

**Quality Certifications:**

This product was prepared under a quality management system that is complies with the following:

**ISO 17034:2016:** Reference Materials Producer, CGI Certificate No. WGMP/22N2594 – General Requirements for the Competence of Reference Material Producers.

**ISO 17034** references additional requirements specified in ISO Guide 31 and ISO Guide 35.

**ISO/IEC 17025:2017:** Chemical Testing, CGI Certificate No. UG/23N256- General Requirements for the Competence of Testing and Calibration Laboratories.

**ISO 9001:2015** Certified: Quality Management Systems, CGI Certificate No. QMS/23N258.

**WHO-GMP** Certified: Good Manufacturing Practices, CGI Certificate No. WGMP/22N2594.

**Homogeneity:**

This product was determined to be homogenous by procedures consistent with the requirements of **ISO 17034** and **ISO Guide 35**. Replicate samples of the finished solution were analysed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability.

**Health and Safety Information:**

Refer to the Safety Data Sheet (SDS), which can be obtained at [www.britisscientific.com](http://www.britisscientific.com).

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