Avocado Research Chemicals (Thermo Fisher Scientific)
Shore Road, Port of
Heysham Industrial Park
Heysham,
LA3 2XY, United Kingdom

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number	L14037
Lot Number	A0478586
Description	Tetrafluoroboric acid, ca 50% w/w aq. soln.
CAS Number	16872-11-0
Quality Test/Release Date	23/Dec/2025
Suggested retest date	23/Dec/2028
Country of Origin	France
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Assay (Aqueous acid-base Titration)	%	≥48.0 to ≤51.0%	48.0
Chloride content	ppm	≤50ppm	1
Comment		May develop some turbidity or precipitate	May develop some turbidity or precipitate
Appearance (Color)		Clear colorless to pale yellow	Clear colourless
Iron content	ppm	≤50ppm	2
Form		Solution	Solution
Impurity content	%	Free Boric acid: ≤2.5%	None detected
Heavy Metals (as Pb)	ppm	≤500ppm	1
Sulfate content	ppm	≤200ppm	53



Paul Coleman
Site Quality Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.