Thermo Fisher Scientific
Ward Hill, MA-Sites
30 Bond Street
Ward Hill
MA 01835

220 Neck Road
Ward Hill
MA 01835

38 Shelley Road
Ward Hill
MA 01835

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
Certificate Number. 951001163

Catalogue Number	045591
Lot Number	X23M003
Description	Amberlite® IRN-78, ion exchange resin, nuclear grade
CAS Number	11128-95-3
Quality Test/Release Date	26/Oct/2026
Suggested retest date	26/Oct/2031
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
Comment		Coefficient of Uniformity: ≤1.20	1.05
Appearance (Color)		White to yellow to amber	Amber
Exchange capacity	eq/liter	≥1.1 eq/liter (as Hydroxide form)	1.27
Form		Spherical beads	Spherical beads
Harmonic mean size	mm	≥0.580 to ≤0.680mm	0.603
Moisture holding capacity	%	≥54.0 to ≤60.0% (as Hydroxide form)	55.9



Derek Roy
Quality Manager, LCD

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.