

## 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 Certification Number: 951001163

Catalogue Number: 022890  
LOT Number: N03L040  
CAS Number: 12003-78-0  
Description: Nickel aluminum, 99.0% min (metals basis)  
Quality Test/Release Date: 3/Feb/2025  
Retest Date: 3/Feb/2055  
Country of Origin: United States  
Declaration of Origin: Synthetic

Result Name	Units	Specification	Test Value
Aluminium (Al)	ppm	MATRIX	MATRIX
Nickel (Ni)	ppm	MATRIX	MATRIX
Molybdenum (Mo)	ppm	104	104
Iron (Fe)	ppm	1226	1226
Zirconium (Zr)	ppm	130	130
Silicon (Si)	ppm	199	199
Copper (Cu)	ppm	334	334
Chromium (Cr)	ppm	385	385
Calcium (Ca)	ppm	42	42
Manganese (Mn)	ppm	49	49
Magnesium (Mg)	ppm	568	568
Boron (B)	ppm	72	72
Sodium (Na)	ppm	76	76

### Additional Information

Certified by:



Mr. Seth Christopher.  
Quality Manager – Ward Hill

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.