

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	019395
Lot Number	P19L041
Description	n-Butyl acetate, Semiconductor Grade, 99% min
CAS Number	123-86-4
Quality Test/Release Date	19/Mar/2025
Suggested retest date	19/Mar/2028
Country of Origin	United States

Result Name	Units	Specifications	Test Value
Color (APHA)		≤10	2
Assay (GC)	%	≥99.0%	99.81
Elemental Analysis		≤10 ppb for all of the following:Na, Sr, Tl, Sn, Ti, V, Zn	Conforms
Elemental Analysis		≤10 ppb for all of the following: Al,Ba,Be,Bi,B,Cd,Ca,Cr,Co,Cu,Ga,Ge,Au,Fe,Pb,Li,Mg,Mn,Mo,Ni,Nb,K,Si,Ag	Conforms
Elemental Analysis		Ta, Zr: ≤50 ppb, each	Conforms
Elemental Analysis		Sb, As: ≤5 ppb, each	Conforms
Free acid (titration)	ueq/g	≤1.0ueq/g	0.54
Form		Liquid	Liquid
Impurity content	ppb	≤100 ppb PO ₄	<10
Water Content (Karl Fischer Titration)	ppm	≤500 ppm	167
Particle Size	par/ml	Particles 1.0 micron: ≤5 particles/ml	<1
Particle Size	par/ml	Particles 0.5 micron: ≤50 particles/ml	1
Residue on Evaporation	ppm	≤10 ppm	0.1



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.