



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Butyl Acetate

Product Information

Item	Details
Product Number	BA-20260228
Batch Number	BA-SH2026022801
Brand	SIGALD
CAS Number	123-86-4
MDL Number	MFCD00009402
Formula	C ₆ H ₁₂ O ₂
Formula Weight	116.16 g/mol
Quality Release Date	28 FEB 2026

Test Results

Test	Specification (Industrial/Reagent/Food Grade)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale straw	Colorless	-	Visual Inspection
Appearance (Form)	Clear volatile liquid	Clear liquid	-	Visual Inspection
Assay (Butyl Acetate)	≥99.0% (Food ≥99.5%)	99.7%	%	Gas Chromatography (GC)
Boiling Point	124-127°C	126.2°C	°C	Distillation Method
Refractive Index (n ₂₀ ^D)	1.3970-1.4000	1.3985	-	Abbe Refractometer
Relative Density (20/20°C)	0.878-0.883	0.880	g/cm ³	Hydrometer Method
Water Content	≤0.1%	0.03%	%	Karl Fischer Titration
Acidity (as CH ₃ COOH)	≤0.005%	0.002%	%	Neutralization Titration
Evaporation Residue	≤0.001%	0.0005%	%	Gravimetric Method
Heavy Metals (Pb)	≤5 ppm (Food ≤1 ppm)	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤1 ppm	0.04 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Color (Hazen)	≤10	5	-	Platinum-Cobalt Colorimetric Method
Odor	Characteristic fruity ester odor, no off-flavor	Conforms to standard	-	Sensory Evaluation
Solubility	Miscible with ethanol/ether, slightly soluble in water	Conforms to standard	-	Visual Inspection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of Butyl Acetate has been tested in accordance with national and industrial standards for ester solvents, food additives and chemical reagents, and meets all specified requirements for industrial, reagent and food grade use. It is qualified for release and application.

Issue Date:28 FEB 2026