

Certificate of Analysis (COA)

- Benzyl Benzoate

Issue Date: 26 February 2026 **Product Name:** Benzyl Benzoate **CAS Number:** 120-51-4 **Product Number:** BB-20260226 **Batch Number:** BB-SH2026022601 **Brand:** SIGALD **Formula:** C₁₄H₁₂O₂ **Molecular Weight:** 212.24 g/mol **Quality Release Date:** 26 February 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection (25°C)
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection (25°C)
Odor	Faint, characteristic aromatic scent	Faint aromatic scent	-	Sensory Test
Assay	≥ 99.0%	99.6%	%	Gas Chromatography (GC)
Melting Point	18-21 °C	19.5 °C	°C	Melting Point Apparatus
Boiling Point	323-325 °C	324.1 °C	°C	Distillation Method
Refractive Index (25°C)	1.5680-1.5720	1.5702	-	Abbe Refractometer
Relative Density (25/25°C)	1.118-1.122	1.120	g/cm ³	Hydrometer Method
Water Content	≤ 0.1%	0.04%	%	Karl Fischer Titration
Acid Value (mg KOH/g)	≤ 0.2	0.08	mg KOH/g	Neutralization Titration
Heavy Metals (Pb)	≤ 5 ppm	< 1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	< 0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of Benzyl Benzoate has been tested in accordance with the relevant industrial standards for organic chemical raw materials and all test results meet the specified requirements. The product is qualified for use.