



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis

(Benzyl Salicylate 水杨酸苄酯)

Issue Date: 26 FEB 2026 Quality Release Date: 26 FEB 2026

### Product Name

Benzyl Salicylate (水杨酸苄酯)

### Product Information

Product Number BS-20260226

Batch Number BS-SH2026022601

Brand SIGALD

CAS Number 118-58-1

MDL Number MFCD00002477

Formula  $C_{14}H_{12}O_3$

Formula Weight 228.24 g/mol

Form Colorless to pale yellow clear liquid, mild floral & balsamic odor

### Test Results

Test	Specification (Flavor & Fragrance/Cosmetic Standard)	Result	Unit	Test Method
Appearance (Color/Form)	Colorless to pale yellow clear liquid, no visible impurity	Pale yellow clear liquid	-	Visual Inspection (25°C)
Assay (Benzyl Salicylate)	≥ 99.0%	99.5%	%	Gas Chromatography (GC)
Refractive Index ( $n_{20}^D$ )	1.580 ~ 1.584	1.582	-	Abbe Refractometer
Relative Density (25/25°C)	1.170 ~ 1.174	1.172	g/cm <sup>3</sup>	Hydrometer Method
Boiling Point	308 ~ 310°C	309.2°C	°C	Distillation Method
Acid Value (as KOH)	≤ 1.0	0.4	mg KOH/g	Titration Method
Water Content	≤ 0.1%	0.04%	%	Karl Fischer Titration
Residue on Ignition	≤ 0.05%	0.02%	%	550°C Muffle Furnace Ignition
Heavy Metals (Pb)	≤ 5 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.07 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Ethanol Solubility (1:2, 95% EtOH)	Clear homogeneous solution	Conforms	-	Solubility Test
Total Bacterial Count (Cosmetic Grade)	≤ 100 CFU/mL	21 CFU/mL	CFU/mL	Plate Count Method
E. coli (Cosmetic Grade)	Negative	Negative	-	Microbiological Detection

### Certification

This batch of product has been tested in accordance with international flavor & fragrance and cosmetic grade standards for Benzyl Salicylate and meets all specified requirements. It is qualified for use in flavor & fragrance, cosmetic, personal care and organic synthesis related fields.