



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: 28 FEB 2026 Quality Release Date: 28 FEB 2026

Product Information

Product Number EBE-20260228
Batch Number EBE-SH2026022801
Brand SIGALD
CAS Number 84082-34-8
Botanical Source *Vaccinium myrtillus* L. Fruit
Active Marker Anthocyanosides $\geq 25\%$
Appearance Purple red to dark red fine powder
Solubility Soluble in water, freely soluble in ethanol

Test Results

| Test | Specification (EP 10.0 / USP 45 / CP 2020) | Result | Unit | Test Method |
|------------------------------|---|-----------------------|-------|--|
| Appearance | Purple red to dark red fine powder | Conforms | - | Visual Inspection |
| Anthocyanosides (dry basis) | $\geq 25.0\%$ | 26.5% | % | HPLC (pH differential method) |
| Loss on Drying | $\leq 5.0\%$ | 2.2% | % | 105°C, 2h Gravimetry |
| Total Ash | $\leq 5.0\%$ | 2.8% | % | 550°C Ignition Method |
| Acid-Insoluble Ash | $\leq 1.0\%$ | 0.4% | % | Acid Digestion + Ignition |
| Heavy Metals (Pb) | ≤ 5 ppm | 0.9 ppm | ppm | Atomic Absorption Spectrometry (AAS) |
| Heavy Metals (As) | ≤ 1 ppm | 0.2 ppm | ppm | Atomic Fluorescence Spectrometry (AFS) |
| Heavy Metals (Cd) | ≤ 0.5 ppm | 0.1 ppm | ppm | AAS |
| Heavy Metals (Hg) | ≤ 0.1 ppm | ND (< 0.05 ppm) | ppm | AFS |
| Pesticide Residues | Complies with EP/USP limits | Complies | - | GC-MS/MS |
| Total Aerobic Microorganisms | ≤ 1000 cfu/g | 210 cfu/g | cfu/g | Plate Count Method |
| Molds & Yeasts | ≤ 100 cfu/g | 25 cfu/g | cfu/g | Plate Count Method |
| Escherichia coli | Negative in 1g | Negative | - | Microbiological Culture |
| Salmonella | Negative in 25g | Negative | - | Microbiological Culture |
| Staphylococcus aureus | Negative in 1g | Negative | - | Microbiological Culture |
| Particle Size | 95% passing 80 mesh | Conforms | - | Sieve Analysis |

Certification

This batch of European Bilberry Extract (CAS:84082-34-8) is manufactured and tested in accordance with EP 10.0, USP 45 and Chinese Pharmacopoeia (2020) standards for natural plant extracts. All test results meet the specified quality requirements, and the product is qualified for use in food, health care products, cosmetics and pharmaceutical raw materials.