

# Pterostilbene Specification Sheet

Public technical specification for buyer documentation review

**Source page:** <https://www.naturalbestbio.com/pterostilbenestilbelite.html>

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| Field                        | Specification / note                                                                                                                                                                       |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingredient name              | Pterostilbene 98% — StilbElite™                                                                                                                                                            |
| Synonyms                     | Pterostilbene; trans-pterostilbene; 3,5-dimethoxy-4'-hydroxystilbene; dimethylated resveratrol analogue                                                                                    |
| CAS number                   | 537-42-8                                                                                                                                                                                   |
| Machine-readable identifiers | InChIKey VLEUZFZJKSGMX-ONEGZZNKSA-N · PubChem CID 5281727                                                                                                                                  |
| Molecular formula            | C 16 H 16 O 3                                                                                                                                                                              |
| Molecular weight             | 256.30 g/mol                                                                                                                                                                               |
| Assay / purity               | 98% minimum by HPLC, stated on the Certificate of Analysis for each lot.                                                                                                                   |
| Production route             | Organic synthesis. Pterostilbene occurs naturally in blueberries and heartwood, but commercial material is synthetic; the route for the supplied lot is stated on the specification sheet. |
| Appearance                   | White to off-white crystalline powder                                                                                                                                                      |
| Solubility                   | Practically insoluble in water; soluble in ethanol, DMSO and propylene glycol. Solubilised and dispersible formats should be discussed for liquid and beverage systems.                    |
| Typical applications         | Capsules, tablets, softgels and powder blends for B2B nutraceutical manufacturing, and cosmetic actives; commonly formulated alongside resveratrol, NMN and NAD+ precursors                |
| Documentation                | Certificate of Analysis, specification sheet, heavy metals, microbiological testing, residual solvents, allergen statement, GMO statement, particle size and stability data                |
| Quality system               | ISO 22000:2018, FSSC 22000, HACCP and GMP (certificates provided on request)                                                                                                               |
| Supplier                     | Nutrition BioTech, 1601 W. Mission Blvd, Suite 103 (DL#29), Pomona, CA 91766, United States                                                                                                |

**Public disclosure note:** This public sheet is prepared from the current NaturalBestBio product-page specification block. It is not a batch-specific Certificate of Analysis. Lot-specific COA and supporting records are available for qualified buyer review when appropriate.

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