

# FRESHWATER PEARL POWDER

Technical Fact Sheet / Cosmetic Raw Material Specification

|                   |                              |              |                   |
|-------------------|------------------------------|--------------|-------------------|
| Product Name      | Freshwater Pearl Powder      | INCI Name    | Pearl Powder      |
| Composition       | 100% freshwater pearl powder | CAS Number   | Not available     |
| Country of Origin | China                        | Product Form | Fine solid powder |
| Preservatives     | No added preservatives       | Shelf Life   | 48 months*        |

## Product Description

Freshwater Pearl Powder is a 100% pearl-derived cosmetic raw material produced by physical grinding only, with no added carriers, preservatives, dispersants, or other additives. It is a clean off-white fine powder intended for skin-care and makeup formulations.

### Key Cosmetic Benefits

- Naturally contains calcium, amino acids, and trace mineral components characteristic of pearl material.
- Helps nourish and moisturize the skin and supports a smoother, cared-for appearance.
- Can help improve the look of dry, dull, or aged-looking skin and may provide a mild brightening / skin-tone enhancing effect.
- Suitable as a functional powder base for primers, foundations, face powders, masks, and other complexion products.

### Formulation & Use

**Applications:** Face creams, serums, masks, primers / makeup bases, foundations, loose or pressed face powders, and other cosmetic formulations.

**Dispersibility:** Dispersible in water, oils, and alcohol-based liquids, forming cloudy suspended dispersions of varying opacity. Not claimed as fully soluble.

**Suggested Use Level:** 1-10% as a formulation starting range; optimize according to the finished formula and desired effect.

**Incorporation:** Pre-disperse into the selected liquid phase and mix thoroughly to obtain a uniform suspension.

**Compatibility:** Avoid strong oxidizing conditions; confirm compatibility and stability in the finished formulation.

### Cosmetic claim note

Benefit statements describe intended cosmetic use and reference-based formulation benefits. Finished-product claims should be supported by the formulator's own testing where required.

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Physical & Technical Characteristics

| Property          | Typical / Declared Information              | Notes                                                                                                |
|-------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------|
| Appearance        | Off-white, clean powder                     | Free from obvious visible impurities                                                                 |
| Odor / Sensory    | Characteristic pearl odor; no abnormal odor | Supplier description                                                                                 |
| pH (25°C)         | 9.7                                         | Per March 2026 batch test report                                                                     |
| Declared Fineness | Nano-grade; nominal 4,000,000 mesh          | Manufacturer-declared from grinding equipment; particle-size distribution not independently measured |
| Solubility        | Not claimed as soluble                      | Disperses as a cloudy suspension in water, oils, and alcohol-based liquids                           |

Quality & Batch Testing

March 2026 batch tested by Zhonglian Inspection, China (中国众联检验). Full values and specifications are available in the corresponding batch COA.

|                     |                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Heavy Metals        | Pb < 0.09 mg/kg; As 0.027 mg/kg; Hg < 0.001 mg/kg; Cd 0.010 mg/kg - all reported as Pass.                                                                                                      |
| Microbiology        | Total Plate Count < 10 CFU/g; Molds & Yeasts < 10 CFU/g; thermotolerant coliforms, Staphylococcus aureus and Pseudomonas aeruginosa not detected.                                              |
| Composition Profile | Supporting elemental testing identified calcium; amino-acid testing identified multiple hydrolyzed amino acids including glycine, alanine, arginine, aspartic acid, cystine and phenylalanine. |
|                     |                                                                                                                                                                                                |

Manufacturing & Commercial Information

|                      |                                                                              |                       |                                                                                                           |
|----------------------|------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Raw Material Source  | Freshwater pearls from China                                                 | Manufacturing Process | Physical grinding only; no biochemical treatment or added ingredients                                     |
| Storage / Shelf Life | 48 months; keep tightly sealed, cool, dry, protected from light and moisture | HS Code (reference)   | 3304990000 - cosmetic raw material reference; confirm final customs classification with importer / broker |

Technical note: Product and formulation information is based on supplier data, the March 2026 batch COA, supporting composition testing, and the referenced cosmetic formulation sheet. Finished-product formulators should validate compatibility, stability, performance, labeling, and claims in their own formulas.