

## Kaolin, USP

### Specification Sheet

**Description:** USP grade, pure natural mineral (anhydrous aluminum silicate) composed of kaolinite with low iron content (synonyms: china clay, nacrite, kaolinite, calcined kaolin, metakaolin). Consists of 44-46% silicon dioxide, 37-40% aluminum oxide, 0.2-0.4% magnesium oxide, 0.03-0.06% calcium oxide, 0.2-0.4% ferric oxide, and 1.5-2.0% titanium dioxide. Average particle size 1.0-1.4 micrometers.

**CAS:** 1332-58-7

**INCI Name:** Kaolin

**Composition:** Kaolin

**Purity Grade:** USP Grade

**Appearance:** Off-white fine powder, odorless

**pH Value:** pH range: 5 (5% solution)

**Benefits:**

- Great covering ability and anti-caking properties
- Able to absorb fats from the skin
- Improves the appearance of enlarged pores
- Helps clear up breakouts and blemished skin
- Has soothing properties (ideal for sensitive skin)

**Use:** Can be added to formulas as is, usual final concentration 4-20%. For external use only.

**Applications:** Face powders, face masks, creams and lotions for oily skin, bath powders, foundation cake makeup, dry rouges, deodorants, soaps. Skin protective products.

**Solubility:** Water-insoluble

**Preservation:** Preservative-free

**Storage:** Store in a closed container at a dry place at room temperature

**Country of Origin:** USA, UK

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**Raw material source:** Kaolin-containing mineral deposits

**Manufacture:** Kaolin is a hydrated aluminum silicate obtained by mining naturally occurring mineral deposits. Such deposits are purified by a dry process involving crushing, drying, pulverizing and classifying and a wet processes involving formation of a kaolin slurry followed by selective flocculation.

**Animal Testing:** Not animal tested

**GMO:** GMO free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components

**HS Code:** 2507000000