

DATA SHEET

White Kaolin Clay - Farmaceutical / Food Grade - Kaolin Klei (licht) - Farmaceutisch / Food Grade

Part Number: 60214 - OGR06

INCI name:	Kaolin
Synonyms:	CI 77004, Kaolinite, White Clay
Country of Origin:	UK
CAS Number:	1332-58-7
EC Number:	310-194-1
Status:	100% Pure & Natural



General Description

Kaolin is a clay mineral with the chemical composition $Al_2Si_2O_5(OH)_4$. It is a layered silicate mineral, with one tetrahedral sheet of silica (SiO_4) linked through oxygen atoms to one octahedral sheet of alumina (AlO_6) octahedral. Kaolin is formed when the anhydrous aluminium silicates which are found in feldspar rich rocks, like granite, are altered by weathering or hydrothermal processes. The process which converted the hard granite into the soft matrix found in kaolin pits is known as "kaolinisation". The quartz and mica of the granite remain relatively unchanged whilst the feldspar is transformed into kaolinite. Smectite may also form in small quantities in some deposits.

Extraction

The refining and processing of the fine fraction of the kaolinised granite yields predominantly kaolinite with minor amounts of mica, feldspar, traces of quartz and, depending on the origin, organic substances and/or heavy minerals. Kaolin is quarried from open-cast pits using either excavators or high pressure hoses. The required grades are initially selected at the pit face and further selection and refining occurs throughout its production. It passes through a series of refining and grinding processes to achieve the required particle size. Further modifications may be made to the product by bleaching, magnetizing and classification. The final product may be heat treated or "calcined" at over 1000 °C to produce an inert, calcined product.

Common Uses/Applications

- Component in cosmetic products.

Aromatherapy Actions/Uses

- Considered to have the following properties: Abrasive, absorbent, anti-caking, opacifier, bulking.
- Regarded to be helpful for: Cleansing (removes plaque and tartar) teeth, detoxifying oily, acne prone skin and neutralising bad body odours.

Animal Non-Testing Declaration

SoapQueen has never been involved in animal testing or retesting for any of its products, nor has it sanctioned any third party to conduct such testing.

Transmissible/ Bovine Spongiform Encephalopathy (T.S.E/B.S.E)

This product does not contain, and is not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals. During production, storage and transport there is no contact with any extracts of animal (cattle, sheep, goat etc) origin and a cross contamination is excluded. Product is therefore free from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

Statement on Genetically Modified Organisms

We confirm to the best of our knowledge that this product does not contain nor has been produced with the aid of any genetically modified organism. In consequence, this product will not contain any detectable residues of protein or DNA resultant from genetic modification.

The data provided in this document is meant to represent anecdotal, typical data and information for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

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