



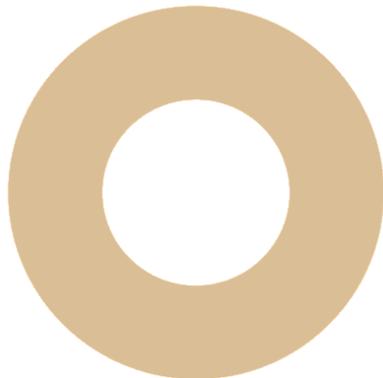
COSMOS  
APPROVED



# TECHNICAL DATA SHEET

## COSMETIC INGREDIENT

In compliance with Regulation (EC) n° 1223/2009



### INGREDIENT INFORMATIONS

Trade name : Ghassoul  
Reference : GHASSOUL  
Composition : 100% natural mineral product  
Origin of the ingredient : Morocco  
Manufacturer : Ekokoza s.r.o.  
Fryčovice 297, 73945,  
Fryčovice IČ: 07508247,  
eshop@ekokoza.cz  
HSCode : 2508400000

#### Description of the manufacturing process:

The Ghassoul clay undergoes a natural drying and then a mechanical grinding.

● INCI\* : Moroccan Lava Clay 100 %

\* The INCI composition above includes a portion of non-clay minerals.

### INGREDIENT SPECIFICATIONS

#### PHYSICO-CHEMICAL ANALYSIS

Aspect	Brown-beige powder
Odor	None
Humidity (Humidimeter METTLER TOLEDO)	< 10%
pH (Method : NF EN ISO 787-9 & T31-235)	Between 8.5 and 9.5
Grain size (Granulometer Mastersizer 2000 Malvern)	90 % < 50 µm and 100 % < 100 µm



## MICROBIOLOGICAL ANALYSIS

Ingredient available in category 1 or 2 (According to the ISO 17 516).

	Specifications Category 1	Specifications Category 2
Total aerobic mesophilic microorganisms (Aerobic mesophilic bacteria DGAT (NF EN ISO 21149) and Yeasts and molds DMLT (NF EN ISO 16212))	< 100 CFU/g <sup>a</sup>	< 1 000 CFU/g <sup>b</sup>
<i>Pseudomonas Aeruginosa</i> (NF EN ISO 21148 and 22717)	NONE	NONE
<i>Staphylococcus Aureus</i> (NF EN ISO 21148 and 22718)	NONE	NONE
<i>Candida Albican</i> (NF EN ISO 21148 and 18416)	NONE	NONE
<i>Escherichia Coli</i> (NF EN ISO 21148 and 21150)	NONE	NONE

Due to the inherent variability of the enumeration method and according to the USP chap 61 or EP chap 2.6.12, results are out of specs if: <sup>a</sup> > 200 CFU/g <sup>b</sup> > 2 000 CFU/g

Quotes are by default in category 2. Category 1 (100% natural heat treatment) is available on request and will be clearly identified on the quote.

## REGULATORY INFORMATION

Natural cosmetic ingredient in accordance with the ISO 16128-1 / 2016 standards: "Natural ingredient derived from an inorganic substance, naturally occurring in nature, having its own chemical formula and a coherent set of physical properties. "

### EUROPEAN COSMETIC REGULATION 1223/2009 OF NOVEMBER 30<sup>th</sup>, 2009

The GHASSOUL is not included in the list of banned substances, ref: Annex II Regulation 1223/2009 – Cosmetics products - of the European Parliament and Council, November 30<sup>th</sup>, 2009. This product can be used in the manufacturing of cosmetics products.

### COSMOS/ECOCERT

The GHASSOUL is COSMOS and ECOCERT certified as a cosmetic ingredient authorized in the manufacturing of natural and organic cosmetics. [www.cosmos-standard-rm.org/](http://www.cosmos-standard-rm.org/).



### IRRADIATION

The GHASSOUL does not undergo any irradiation treatment during its manufacturing process.

### REACH

This reference is exempted- Annex V, Chapter 7 of the European Regulation 1907/2006 (REACH) - (substance present in nature / substance not chemically modified). No chemical substance, PBT substance (bio accumulative and toxic substances) or any vPvB substances (very persistent and very bio accumulative substance of concern) are in contact with the product during the manufacturing process.

### CMR

The GHASSOUL is not classified as CMR (carcinogenic, mutagenic and reprotoxic substances) and no CMR substances are in contact or added during the manufacturing process.

### SOLVENT

The GHASSOUL is from natural origin. No chemical and no solvent are in contact or added during the manufacturing process. It therefore doesn't contain solvent residues.

### ALLERGENS

The GHASSOUL naturally doesn't contain allergens, and no substances are in contact or added during the manufacturing process. It does not contain any allergenic substances listed in Annex III of Regulation 1223/2009 - Cosmetics products - of the European Parliament and of Council of November 30<sup>th</sup>, 2009.



## GMO

The GHASSOUL is a natural mineral and doesn't contain substances of plant origin. No GMO substances are in contact or added during the manufacturing process.

## ESB/TSE

The GHASSOUL is a natural mineral and doesn't contain animal or human substances, it is not in contact with this type of substances during the manufacturing process. It can not therefore cause transmissible spongiform encephalopathy (ESB / TSE).

## SVHC

The GHASSOUL is a 100% natural mineral. No preoccupating or really preoccupating substances (SVHC) and no preoccupating or really preoccupating chemicals substances defined by the European chemicals agency are used during the manufacturing process.

## ANIMAL TESTING

No animal testing has been carried out since 2009, in accordance with Regulation 1223/2009 of the European Parliament and Council of November 30<sup>th</sup>, 2009 on cosmetic products.

## VEGETARIAN / VEGAN

No ingredients from animal origin are in contact or added in the manufacturing process.

## HALAL

General guidelines of the FAO (Food and Agriculture Organization of the United Nations) for the use of "Halal" N ° CAC / GL 24-1997 are excluding following products:

- \* Product of animal origin
- \* Product of vegetable origin
- \* Alcoholic and / or intoxicating and dangerous drinks
- \* Food additives obtained from what is listed in points 1., 2. and 3.

The GHASSOUL naturally does not contain any prohibited substances listed above. No substances are in contact or added during the manufacturing process, so this reference may be eligible to the Halal certification.

## CASHER

The GHASSOUL is a 100% natural mineral. No additives have been added during the manufacturing process, this mineral can be eligible to get the Casher certification.

## NANOMATERIALS

Regulation 1223/2009 of the European Parliament and of Council November 30<sup>th</sup>, 2009 on cosmetic products defines 'nanomaterials' as: 'insoluble, bio-persistent and intentionally produced with one or more external dimensions at the level of 1 to 100nm'. The GHASSOUL is not intentionally produced at the nanoparticle scale and therefore complies with Regulation 1223/2009 of the European Parliament and of Council November 30<sup>th</sup>, 2009 on cosmetic products. And so, GHASSOUL does not need to be annually declared to the ANSES (decree 2012-232 of 17<sup>th</sup>, 2012).

## CALIFORNIA PROPOSITION 65

Not listed.

## NATURALITY INDEX

"A natural ingredient is made from organic substances naturally in Earth having its own chemicals formula and its own physical properties". According to the ISO 16128, clays' characteristics are as following:

- \* Natural index = 1
- \* Natural origin index = 1
- \* Biological index = 0
- \* Biological origin index = 0



## DIOXIN AND PCB

Results are near zero.

## HEAVY METALS

The GHASSOUL is a mineral naturally present in nature, therefore it can contain traces of heavy metals (ppm), tolerated by the European regulation because technically unavoidable. Internal method, sample's mineralization with nitric acid at 5% (EN 15510) measurement carried out by using ICP-OES spectrometry (9820 SHIMAZU).

Antimony Sb < 0.5 ppm	Arsenic As < 15 ppm	Cadmium Cd < 0.3 ppm	Cobalt Co < 5 ppm
Tin Sn < 0.5 ppm	Mercury Hg < 0.05 ppm	Nickel Ni < 15 ppm	Lead Pb < 15 ppm

## TOXICOLOGICAL AND ECOLOGICAL INFORMATION

For this section, please refer to SDS036.

## EXPIRATION, PACKAGING, STORAGE

Microbiological expiry date depends on the category:

Category 1 : 6 months after leaving our warehouse

Category 2 : 18 months after leaving our warehouse

*After this period of time, this parameter must be rechecked.*

This product is packed in paperbag or BIG BAG.

Store in a dry, well-ventilated and free from any microbiological contamination place.