

CLAY DATA SHEET:
YELLOW CLAY

Yellow clay is extracted from a protected quarry before being transported to the Lizy-sur-Ourcq site and sun-dried. It is stored in an enclosed warehouse, then crushed to a fine powder, packaged and marketed. Sub-contracting laboratories supplied by us also use this clay to manufacture shampoo, soaps, etc.

Our promise: a 'Natural Quality' charter

- Guaranteed 100% sun-dried clay
- Non-ionised clay
- Clay without preservatives
- End products that have not been tested on animals, but on human volunteers
(+ **alternative methods**)
- Raw materials originating exclusively from the mineral world
- Clays that are regularly inspected and analysed in **COFRAC-accredited** laboratories.
- Allergen free

1. Qualitative composition

INCI name: ILLITE
CAS N° : 12 173-60-3
EINECS 215.288-5

2. Quantitative composition

a) *Major elements*

Elements	SiO ₂	AhO ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	TiO ₂
%	60	20.3	6	0.4	1.3	0.4	4.50	1

Semi-quantitative estimation of Quartz: 22%

3. Heavy metals

Usual results (according to the Batch):

Pb: 19.2 mg/kg ± 3.9 mg/kg
Cd: 0.309 mg/kg ± 0.118 mg/kg
Hg: < QL: 0.079 mg/kg
As: 11.2 ± 2.5 mg/kg

4. Granulometric specifications and physical properties

a) *Granulometric specifications*

Ultra-ventilated	Yellow clay	Granulometry lower than 20µm
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b) *Physical properties*

Level of humidity: 5% to 6% in general, but variable according to climatic conditions.
(naturally sun-dried)

Swelling: 1.4%

5. Microbiological specifications

- The microbiological thresholds retained are taken from the European Pharmacopoeia 10th edition 5.1.8 A 'Microbiological quality of herbal medicinal products for oral use' (the mineral thresholds not being established).
- According to the Pharmacopoeia, 'higher acceptance criteria can be applied on the basis of a risk assessment taking account of the qualitative and quantitative features of the bioburden and the intended use of the product': non-pathogenic telluric bacteria in topical use.
- The microbiological specifications taken into account are as follows:

Criteria	Values
Moulds and yeasts {TYMC}	< 10 ⁵ CFU/2
Gilded Staphylococcus (Staphylococcus aureus)	None

Complementary control indicated in the Pharmacopoeia: Total viable aerobic microbial count: TAMC 10⁷ CFU/g: irrelevant in mineral matter.

6. Lifespan

The recommended life of yellow clay is 3 years.