

## TECHNICAL DATA SHEET

Effective date: 11.2020  
Rev.1

### White Clay

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Kaolinite
Raw material name	Kaolinite - Natural Silicate of aluminium and both, Iron and Magnesium
Major Constituent	Kaolinite 100%
Origin	Mineral, 100% natural product
Chemical formula	$\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$
Manufacturing process	The mineral is extracted by means of digging, then crushed, dried and ground

#### TECHNICAL DATA

##### Physical parameters

Appearance	Fine powder
Particle size	< 40 $\mu\text{m}$
Color	Off-White
Odor	Neutral
Density	2.6 $\text{g/cm}^3$

##### Chemical parameters

Elements	%
$\text{SiO}_2$	48 to 50
$\text{Al}_2\text{O}_3$	35 to 37
$\text{Fe}_2\text{O}_3$	0.6 to 0.8
$\text{MgO}$	0.2 to 0.4
$\text{K}_2\text{O}$	1.9 to 2.3
$\text{Na}_2\text{O}$	0.1 to 0.2
$\text{TiO}_2$	0.04 to 0.06
$\text{CaO}$	0.09 to 0.11

##### Biological parameters

Aerobic mesophilic count	< 1000 cfu/g
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Staphylococcus aureus	Absent/g
Pseudomonas aeruginosa	Absent/g
Candida albicans	Absent/g
Escherichia coli	Absent/g

#### Impurities

Heavy metals	mg/kg
Arsenic	< 14
Lead	< 17
Cadmium	< 0.025
Mercury	< 0.025

#### LEGISLATION

Certification	Ecocert approved
CMR substances	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008.
Nanomaterials	This product is not considered as a nanomaterial, and doesn't contain nanoparticles as defined by the European commission and as described in EU n°1223/2009 and 2012-232 (ANSES).
Animal testing	No
Ionisation	Has not undergone any gamma ray processing
Gelatin	Do not contain any kind of gelatin
GMO	Non-GMO
EINECS	-
CAS	1332-58-7

#### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in closed containers, sheltered away from extreme temperatures (- 10° C / + 40° C) and humidity
Shelf Life	5 years under good storage conditions.

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