TECHNICAL FILE
RED MONTMORILLONITE CLAY

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Approved by ECOCERT RAW MATERIAL COSMETICS

NATURAL INGREDIENTS

NO IONIZATION

NOT TESTED ON ANIMALS

WITHOUT ARTIFICIAL COLOURING

NO SYNTHETIC PRESERVATIVES

Argiles du Bassin Méditerranéen
S.A.R.L au capital de 7 622€
N° SIRET : 412 481 970 000 17
N° TVA Intercommunautaire : FR 44412481970
Code APE : 523E

Z.A Le Bas Jasson
985 Chemin du Puits de la Commune
83250 LA LONDE-LES-MAURES - FRANCE
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A. INFORMATIONS

A.1. MAJORITIES

Origin

The quarry is situated in SARDINIA in the town of VILLANOVA TULO. It has a surface are of 240 hectares and its main activity is the extraction of Montmorillonite for industrial use. Its most important characteristic is the presence of very pure montmorillonite (more than 85% of the total mineral). There are even some seams to be found with an excellent purity of up to 75 %.

Extraction

Firstly the products destined for the pharmaceutical industry or similar uses are detected in the quarry by series of core boring, thus allowing us to determine the seams which meet the desired norms.
The core boring is carried out at one metre intervals over a length of face of generally 25 metres, for an extraction of 250 tonnes. The average height is 3 to 4 metres, the thickness 2 to 3 metres.
The mineral is extracted by means of digging and the required quantity is immediately taken away and stored under shelter.

Treatment

On extraction the clay comes in the form of semi-humid blocks (25% on average), sized between 2 and 30 cm. It has to be crushed in order to be dried properly. Drying takes place in a rotational tempered steel dryer heated by gaz. There is a simultaneous current of air so that the temperature does not surpass 100°C. The material is then ground on Forplex equipment, comprising an F3 grinder and an SD3 dynamic selector. We can add besides that the drying process we have developed guarantees the bacteriological cleanliness of the clay we treat.

Controls

- X diffraction to identify the clay which is to be treated.
- Capacity for ionic exchange to check the richness in montmorillonite.
- Level of lead and heavy metals.
- A bacteriological control of each lot.
- A physico-chemical control.

Our technical sheets take into account all these analyses and naturally a product which does not comply with our demands is rejected.

A.2. SCIENTIFIC DATA

I. Identification

SUPPLIER	Argiles du Bassin Méditerranéen
PRODUCT NAME	Red Montmorillonite Clay
INCI NAME	Montmorillonite
COMPOSITION	(Na, Ca)O0,33 (Al, Mg)2 Si4 O10 (OH)2, nH2O
INCI US NAME	Montmorillonite
N°CAS	1318-93-0
N° EINECS	215-288-5
NOMENCLATURE CUSTOMS	2508400000
AUTHORIZATION IN BIO MARKET	yes, 100% Natural product, certified ECOCERT
ORIGIN	Mineral
STORAGE CONDITIONS	Dry, -10°C to 40 °C
LIFE	Not concerned
PRODUCT TESTED ON ANIMALS	No
PACKAGING	28 Liters, 25 Kg net, 25.5 Kg gross
CONTAINING	Kraft Bags, 2 valves

II. Technical Data Sheet

INCI Name : MONTMORILLONITE
Trademark : Montmorillonite
N° CAS : 1318-93-0
EINECS : 215-288-5
(Na, Ca)O0,33 (Al, Mg)2 Si4 O10 (OH)2, nH2O

	ASPECT	COLOUR	ODOUR	DENSITY	C.E.G
RESULT	Fine powder < 77µm	Red	No	0,7 to 0,8	59.5 Meq
METHOD	Sieving	Ref. Pantone	Human	Weight/volume	Diffraction X

CHEMICAL ANALYSIS	PERCENTAGES
SiO2	50.27
AL2O3	18.81
Fe2O3	7.40
MgO	3.40
K2O	2.23
Na2O	0.02
TiO2	0.68
CaO	1.30
MnO	0.03
P2O5	0.04

Type of clay :	Natural Silicate of aluminium and both, Iron and Magnesium
Major Constituent :	Smectite (Montmorillonite) > 75 %
Presentation (dry) :	RED Clay Powder
Cation exchange Capacity (C.E.C) :	> 59.5 Meq per 100 g
Loss of Ignition (1000°C) :	15.83 %

ADVISORY

Our technicals informations are communicated at best by our knowledge.
They establish simple indications and present results of analyses (microbiology, heavy metals, etc.) which can be incomplete according to the use you have and cannot engage our responsibility, do not exempt you from the necessity of verifying yourself if the delivered products answer the standards, the obligations and the goal needed.

Our advices in materials of safety does not exempt you of determining yourself security measures adapted to the conditions appropriate to your exploitation which we cannot plan, and specially watch the technical qualification and the information of the people called to use, to treat or to be in touch with him.

A.3. DATA OF SAFETY

1. Identification of the product and of the company

Harmless product

Trademark: :	RED Clay Montmorillonite
Use :	Para pharmaceutics, cosmetics, food complements
The company :	ARGILES DU BASSIN MEDITERRANEEN Z.A. du Bas JASSON 83250 LA LONDE Phone number : 00.33.(0)6.71.59.06.35 Fax number : 00.33.(0)4.94.66.67.94.

2. Composition and information on the product

Nature of the product :	Raw material : 100% natural
INCI name :	MONTMORILLONITE
CAS number :	1318-93-0
EINECS :	215-288-5
Formula :	(Na, Ca)O0,33 (Al, Mg)2 Si4 O10 (OH)2, nH2O

3. Identification of dangers and first aid measures

Harmless product

If contact with skin : Remove contaminated clothing, rinse with water (or soap and water)

If contact with the eyes : Flush thoroughly with water for at least 10 minutes. Seek medical attention if irritation marks appear.

If accidental ingestion : Drink water

If fulsome inhalation : Take the person to the closest source of fresh air and look after that person.

General comment : Clay is not a dangerous product, however if a consequential intoxication occurs, getting medical attention becomes crucial.

4. Protection measures against fire

Clay is not inflammable, however the container is made with paper. Therefore, use an appropriate fire-extinguisher if needed. (use a water spray extinguisher).

5. Measures to take in the case of an accidental spill

Individual precaution : avoid contact with the eyes.

Precaution to protect the environment : Avoid to spill in the sewer, in the ground or in any aquatic surroundings.
Cleaning methods : Use a broom or a vaccum.

6. Handling and storage

Handling : Avoid contact with the eyes. Follow the usual hygiene rules. Keep rooms well aired out.
Storage : It is recommended to store the clay in closed wooden barrels, preferably filled up and sheltered away from extreme temperatures and humidity.

7. Exposure control/individual protection

Exposure control : Keep rooms well aired.
Breathing protection : In the case of poor ventilation, wear a self contained breathing device.
Hand protection : When it is necessary to wear gloves, rather use naturel rubber gloves.
Eye protection : If an eye protection is necessary, rather use waterproof glasses.
Skin protection : In function of the organisation of the workplace, wear special clothing which protects from contamination made by the smell of personal clothes.
Follow the usual rules of hygiene.

8. Stability and reactivity

Good stability to common temperatures, keep away from humidity.
Avoid exposure to temperatures which are close to the flash-point. Do not heat up.
Avoid contact with oxidizing agents.

9. Toxicological information

Complying with the standard EEC rules.

10. Environmental information

Does not contain any « perhalogen » substance, ar any similar product made to remain in the environment.
This product was not subject to any « ecotoxicologic » tests. Due to the difficulty of using the common « ecotoxicologic » test methods to predict the impact of the various ways of contact with vulnerable areas in the ecosystem, this product must be considered and handled as if it were a potential threat for the environment.
Take therefore all necessary precautions.

11. Instruction concerning riddance

Garbage and refuse must be eliminated in keeping with the rules the European union or according to the national or regional legislation currently enacted.

12. Instruction concerning carriage

In the case of an accidental leak or fire during transportation, please consult the above instructions.

13. Information

Pure raw material. May be destined to private use under that form or to industrial use.

5. Specific indication

The information detailed in this form is based on our knowledge regarding the product on the specified date. It complies with the current legislation and is provided in good faith. However, please understand that possible risks may be run When a product is used for other purposes than those it is meant for.

B. ALLERGENS

Product reference : Red Clay Montmorillonite

1. PRESENCE OF ALLERGENS IN THE RAW MATERIALS

ALLERGENS	PRESENCE
Sulphites	No
Peanut And derived producs (including oil)	No
Almond and derivatives (including oil)	No
Hazelnut and derivatives (including oil)	No
Cashew nut and derivatives (including oil)	No
Macadamia nut (including oil)	No
Pecan nut and derivatives (including oil)	No
Queesland nut and derivatives (including oil)	No
Brazilian nut and derivatives (including oil)	No
Nuts and derivatives (including oil)	No
Pine nut and derivatives (including oil)	No
Pistachio and derivatives	No
Other shell fruits or derivatives	No
Eggs and ovoproduits	No

ALLERGENS	PRESENCE
Fish - crustaceans and derived products (including gelatine)	No
Soy and derived products (including lecithin)	No
Gluten coming from:	
Wheat	No
Rye	No
Barley	No
Spelt	No
Oat	No
Hybrid kinds and products derived fril gluten	No
Products taken from cereals containing gluten	No
Kamut	No
Milk	No
Dairy products including lactose, any other product derived from milk	No
Sesame and derivatives (including oil)	No
Lupine and derivatives	No
Celery and derivatives	No
Mustard and derivatives	No

2. PRESENCE OF TRACES OF ALLERGENS (RISK OF CROSSED)

ALLERGENS	FACTORY	WORKSHOP	PRODUCTION LINE	FORM (seed, flour, oil)
Sulphites	No	No	No	No
Peanut And derived producs (including oil)	No	No	No	No
Almond and derivatives (including oil)	No	No	No	No
Hazelnut and derivatives (including oil)	No	No	No	No
Cashew nut and derivatives (including oil)	No	No	No	No
Macadamia nut (including oil)	No	No	No	No
Pecan nut and derivatives (including oil)	No	No	No	No
Queesland nut and derivatives (including oil)	No	No	No	No
Brazilian nut and derivatives (including oil)	No	No	No	No
Nuts and derivatives (including oil)	No	No	No	No
Pine nut and derivatives (including oil)	No	No	No	No
Pistachio and derivatives	No	No	No	No
Other shell fruits or derivatives	No	No	No	No
Eggs and ovoproduits	No	No	No	No
Fish - crustaceans and derived products (including gelatine)	No	No	No	No

ALLERGENS	FACTORY	WORKSHOP	PRODUCTION LINE	FORM (seed, flour, oil)
Soy and derived products (including lecithin)	No	No	No	No
Gluten coming from:				
Wheat	No	No	No	No
Rye	No	No	No	No
Barley	No	No	No	No
Spelt	No	No	No	No
Oat	No	No	No	No
Hybrid kinds and products derived fril gluten	No	No	No	No
Products taken from cereals containing gluten	No	No	No	No
Kamut	No	No	No	No
Milk	No	No	No	No
Dairy products including lactose, any other product derived from milk	No	No	No	No
Sesame and derivatives (including oil)	No	No	No	No
Lupine and derivatives	No	No	No	No
Celery and derivatives	No	No	No	No
Mustard and derivatives	No	No	No	No

3. PARTICULAR RISK : PEANUT

NONE

4. GENETICALLY MODIFIED ORGANISM

NONE

5. COSMETIC'S ALLERGENS (DIRECTIVE 2003/15/CE)

N°	N° CAS	USUAL NAME	SUBSTANCE	INCI NAME	PRESENCE
1	122-40-7	Jasmonal	2-Benzylidèneheptanal	2-Benzylidèneheptanal	No
2	100-51-6	Benzyl Alcohol	Alcool Benzylique	Benzyl Alcohol	No
3	104-54-01	Alc Cinnamique	Alcool Cinnamylique	Cinnamyl Alcohol	No
4	5392-40-5	Citral	Citral	Citral	No
5	97-53-0	Eugénol	Eugénol	Eugenol	No
6	107-75-5	Hysimal (mélang)	7-Hydroxycitronellal	Hydroxycitronellal	No
7	97-54-1	Isoeugénol	Isoeugénol	Isoeugenol	No
8	101-85-9		2-pentyl-3Phenylprop -2-ène-1-ol	2-pentyl-3Phenylprop -2-ène-1-ol	No
9	118-58-1	Benzyl Salicylate	Benzyl Salicylate	Benzyl Salicylate	No
10	104-55-2	Cinnamaldéhyde	Cinnamaldéhyde	Cinnamal	No
11	91-64-5	Coumarine	Coumarine	Coumarin	No
12	106-24-1	Géraniol	Géraniol	Geraniol	No
13	31906-04-4	Lyral	4-(4-Hydroxy-4-méthyl-pentyl) cyclohex-3-ène carbaldéhyde	4-(4-Hydroxy-4-méthyl-pentyl) cyclohex-3-ène carbaldéhyde	No
14	105-13-5		Alcool4-methoxy benzylique	4-Methoxybenzyl Alcohol	No
15	103-41-3		Cinnamate de Benzyle	Benzyle Cinnamate	No
16	4602-84-0	Farnesol	Farnesol	Farnesol	No
17	80-54-6	Lilial	2-(4-tert-butylbenzyl) propionaldehyde	2-(4-tert-butylbenzyl) propionaldehyde	No
18	78-70-6	Linalol	Linalol	Linalool	No
19	120-51-4	Benzoate Benzyl	Benzoate de Benzyl	Benzyl Benzoate	No
20	106-22-9	Citronellol	Citronellol	Citronellol	No
21	101-86-0	Jasmonal H Hexyl Cinnamal	α Hexylcinnamaldehyde	α Hexylcinnamaldehyde	No
22	5989-27-5	Orange terpenes Limonène	(R)-p-mentha-1,8-diène	(R)-p-mentha-1,8-diène	No
23	111-12-6		Oct-2-ynoate de méthyle	Methyl Oct-2-ynoate	No
24	127-51-5	Methylionone Gamma	3-méthyl-4-(2,6,6-triméthyl -2-cyclohexène-1-yl)-3 -butène-2-one	3-méthyl-4-(2,6,6-triméthyl -2-cyclohexène-1-yl)-3 -butène-2-one	No
25	90028-68-5	Mousse yougos	Evernia prunastri extraits	Evernia prunastri	No
26	90028-67-4		Evernia furfuracea extrait	Evernia furfuracea	No

C. CERTIFICATES

C.1. NO-IONIZATION

We, as the company of the ARGILES DU BASSIN MEDITERRANEEN, guarantee that all of the products which we deliver have not undergone any gamma ray processing. And according to the information given by our providers, our products do not contain any components which were denature by gamma rays.

Drafted in La Londe (France), December 12th, 2025

Visa

C.2. ORIGIN

We, as the company ARGILES DU BASSIN MEDITERRANEEN, hereby certify that all of the clays which we exploit are of Italian origins and France for Kaolin, more precisely from Sardinia and Bretagne.

These Clays were extracted in an « open sky » fashion, in the countryside. (close to VILLA NOVA, SARDINIA and close Quessoy for the Kaolinite.

Drafted in la Londe (France), December 28th, 2025

Visa

C.3. GELATIN

We, as the company ARGILES DU BASSIN MEDITERRANEEN, hereby certify that the clays which we exploit do not contain any kind of gelatine.

Drafted in La Londe (France), December 6th, 2025

Visa

D. CONTACTS

ARGILES DU BASSIN MEDITERRANEEN (A.B.M.)
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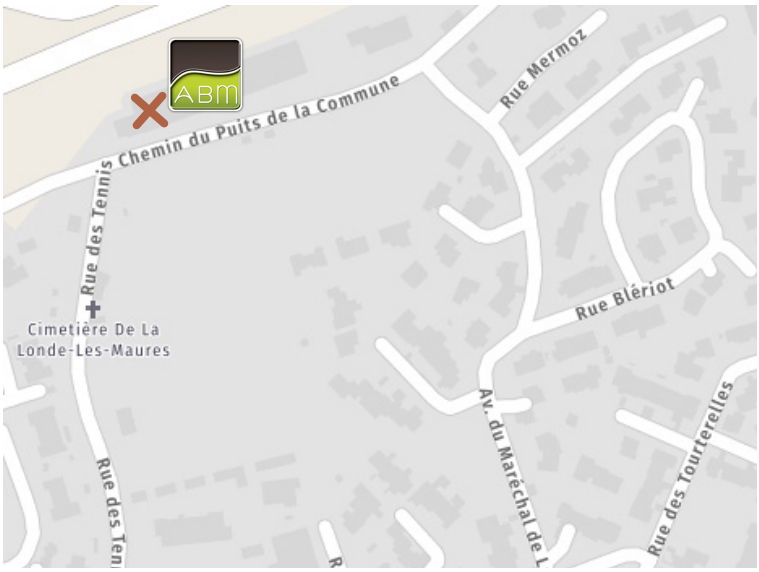

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