



Argiles du Bassin Méditerranéen

MONTMORILLONITES - SMECTITES - KAOLINITES

## TECHNICAL DATA SHEET GREEN

### MONTMORILLONITE CLAY FROM SARDINIA

Batch # 20130601

INCI Name : MONTMORILLONITE

# CAS 1318-93-0

EINECS 215-288-5

Formule :  $(\text{Na, Ca})\text{O}_{0,33}(\text{Al, Mg})_2\text{Si}_4\text{O}_{10}(\text{OH})_2, n\text{H}_2\text{O}$

CHEMICAL ANALYSIS	Percentages	Bacteriological Analysis Average	Quantity per g
SiO <sub>2</sub>	58 < x < 62	Mésophiles	< 1500
AL <sub>2</sub> O <sub>3</sub>	15 < x < 18	Pathogènes *	-
Fe <sub>2</sub> O <sub>3</sub>	3 < x < 4	Yeast	< 50
MgO	5 < x < 6	*E.coli, Staphylocoque, Pseudomonas or Candida Albican	
K <sub>2</sub> O	0,5 < x < 1		
Na <sub>2</sub> O	0,1 < x < 0,3		
TiO <sub>2</sub>	0,1 < x < 0,3		
CaO	3 < x < 4		
MnO	Traces		
P <sub>2</sub> O <sub>5</sub>	Traces		

  

HEAVY METALS	mg/Kg
ARSENIC	< 1,1
LEAD	< 24
MERCURY	< 1
CADMIUM	< 1

Type of clay : Natural Silicate of aluminium and both, Iron and Magnesium .  
 Major Constituent : Smectite (Montmorillonite) > 97 %.  
 Presentation ( dry ) : Green Clay Powder  
 Cation exchange Capacity ( C.E.C ) : > 120 Meq per 100 g  
 Adsorbant Power (strychnine Sulfate ) : > 400 mg/g  
 Grît ( Another of Montmorillonite ) : < 2,90 %  
 Lost of Ignition ( 1000°C ) : 10.60 %  
 P.H. : 8,8

**Presentation :**

This clay come to powder < 77 µm

It has to be noted that speaking of a raw mineral chemical analysis is not exactly the same on each part of the quarry without any change of the clay itself.

Clays are mainly characterised by X-ray diffraction and cation exchange capacity.

By this fact we only give an average value for each component.