

## TECHNICAL DATA SHEET

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Product: **COLOR CLAY® CEDRUS** (BSI 3778 - Cedar Red)  
Code: **01-C**  
Version: **04**  
Date of issue: **12/07/2016**

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Natural colour clay  
INCI name: ILLITE

### Product description:

All COLOR CLAY® products have some common characteristics, like high silicate content, a suitable particle size that gives spreadability with pleasant and easy application on the skin.

Aspect: homogeneous powder  
Colour: cedar red  
Odour: odourless

### Chemical composition:

SiO <sub>2</sub>	52.60% ± 5%
Al <sub>2</sub> O <sub>3</sub>	19.30% ± 5%
Fe <sub>2</sub> O <sub>3</sub>	7.46% ± 5%
CaO	3.68% ± 5%
MgO	2.77% ± 5%
Na <sub>2</sub> O	0.34% ± 5%
K <sub>2</sub> O	4.15% ± 5%
TiO <sub>2</sub>	0.92% ± 5%
MnO	0.10% ± 5%
P <sub>2</sub> O <sub>5</sub>	0.18% ± 5%

### Particle size:

95% particles < 44 microns

### Microbiology:

TAMC (total aerobic microbial count)	<100 ufc/g
TYMC (total yeast and mould count)	<100 ufc/g
Pathogens:	Absence

### Physical-chemical characteristics:

pH (Sol. 20% in water)	9.06± 1
Light stability:	
Natural light:	stable
Vitalux light:	stable
Humidity:	<7%

## Applications:

- Facial or body muds, in powder form at 100%, for mixtures with liquid (water or solutions with active ingredients) or in combination with other powders in a formulation.
- Facial or body masks, incorporated in emulsions or suspensions.
- Facial or body cleansers as foaming products:
  - Liquid soaps.
  - Peeling liquid soaps.
  - Soap bars for deep cleansing.
- Gel-Mask.
- Creams and serums.
- Hair mask or special shampoos.
- Make up.

## Special considerations:

Generally speaking all formulations need a suspending agent to ensure stable and homogeneous products.

## Important!

Due to the natural origin of the product, colour may slightly change from batch to batch.

## HOJA DE ESPECIFICACIONES / PRODUCT SPECIFICATIONS

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Producto / Product: **COLOR CLAY® CEDRUS**

Código / Code: **01-C**

Versión / Version: **03**

Fecha de emisión / Date of issue: **12/07/2016**

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PROPIEDADES / PROPERTIES	RANGO / RANGE	METODO / METHOD
Color / Colour:	Rojo teja Cedar Red	Visual Visual
Humedad / Humidity:	< 7%	Residuo seco Dry matter
Granulometría / Particle size:	95% < 44µm	% a través de un tamiz de 44 micras % through 44 microns sieve
<u>Microbiología / Microbiology:</u>		
TAMC (contaje total de microorganismos aeróbicos) / TAMC (total aerobic microbial count):	<100 ufc/g	Certificado de irradiación Irradiation Certificate
TYMC (contaje total de hongos y levaduras) / TAMC (total yeast and mould count):	<100 ufc/g	
Patógenos / Pathogens:	Ausencia Absence	

COLOR CLAY® es un producto natural. La intensidad y tonalidad del color pueden cambiar ligeramente de un lote a otro.

COLOR CLAY® is a natural product. The intensity and shade of the colour may slightly change from one lot to the other.

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