



*Bara Mineraler is the market leader within the processing of plateau clay and pumice for use in growth medium used for commercial farming and construction. Using clay as the base material, we also produce plant care products for horticulture. Bara Mineraler is an innovative knowledge based company with continuous product development. We market and sell our products in Sweden and Europe both directly and through resellers.*

Bara Mineraler AB | Malmövägen, 233 64 Bara | Tel. +46 40 54 22 10 | info@baramineraler.se | www.baramineraler.se

## Bara pH Stabil Clay (0-6 mm)



Bara pH Stabil Clay consists of high quality 3-layer mineral Swedish Plateau Clay. Plateau Clay is formed during the last ice age in Scandinavia and is thus geologically a young clay. The clay is thus free from contaminants such as heavy metals, sodium, chloride and dioxins. Bara pH Stabil Clay is mined locally with minimal environmental impact and carbon emissions. Bara pH Stabil Clay meets national environmental law requirements and is approved for use in accordance with EU regulations for organic production.

### PRODUCT

Bara pH Stabil Clay (0-6 mm)

### RECOMMENDATION

Bara pH Stabil Clay is recommend to use as additive in peat-, coco- and wood fiber based growth medium to increase the clay mineral content and control pH drop. Use is recommend for outdoor production of flowers, trees and shrubs in Nursery Stock and container field production there problems with pH drop occur. Bara pH Stabil Clay has high cat-and anion exchange capacity and acts as a nutrient buffer for nutrients and has influence of buffering pH changing and pH drop in substrate. Bara pH Stabil Clay has specially influence on pH drop during overwintering plants until spring.

### USE

40 kg Bara pH Stabil Clay per EN m<sup>3</sup>. Maximum accepted use for RHP certification is 50 kg per EN m<sup>3</sup>.

### PRODUCTION

Bara pH Stabil Clay (0-6 mm) is manufactured by Bara Mineraler AB. Bara pH Stabil Clay are made of Plateau clay. Bara pH Stabil Clay (0-6 mm) has been crushed, granulated and heat treated in an oven at 80 degrees Celsius and sieved to fraction 0-6 mm.

### PACKING

1000 kg Big Bag

### ENVIRONMENTAL

Case management is recommended in contact with the product. Wear suitable respiratory equipment. Use a half mask with particle filter P3.

### PHYSICAL PROPERTIES

Fraction:	<b>Granulate</b>
Grain size:	<b>0-6 mm</b>
Bulk density, moisture:	<b>1250 kg/m<sup>3</sup></b>
Moisture:	<b>2-5%</b>



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## CHEMICAL PROPERTIES

pH	8,2 (1:5 volume with water)
Conductivity, EC	11-20 mS/m
CaCO <sub>3</sub>	4,5 ±0,5 %
CEC	21-27
Organic matter	< 0,2 %
P-AL	10-15 mg P <sub>2</sub> O <sub>5</sub> /100g
Na	< 30 mg/l
Cl	< 30 mg/l
Mg	< 13 mg/l
Fe	< 1,5 mg/l
Mn	< 0,2 mg/l
Zn	< 0,07 mg/l
B	< 0,1 mg/l
Cu	< 0,1 mg/l
Mo	< 0,1 mg/l

<b>Heavy metals</b>	
Cr	30-70 mg/kg
Ni	30-70 mg/kg
Cu	25-50 mg/kg
Zn	80-130 mg/kg
As	7-10 mg/kg
Cd	0,2-0,5 mg/kg
Hg	0,03-0,08 mg/kg
Pb	20-30 mg/kg
Active manganese	220-260 mg/kg