PRODUCT DATA SHEET
BARA CLAY GRANULATE 0-1

Bara Clay granulate 0-1 is used as an additive in peat- and coco based growthmedium to increase the clay mineral content for horticultural production in flowers, treesand shrubs. 0-1 has high cat-and anion exchange capacity and acts as a nutrient buffer for nutrients. 0-1 accelerates the absorption of water and disclosure of the water in the substrate. Bara Clay granulate 0-1 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 contaminates such as heavy metals, sodium, chloride and dioxins.

The product is mine locally with minimal environmental impact and carbon emissions. Bara Clay granulate 0-1 meets national environmental law requirements and is approved for use in accordance with EU regulations for organic production. Bara Clay granulate 0-1 is certified by RHP.

Content	Clay granulate 0-1. Swedish Plateau Clay, RHP- certified
Use	0-1 is recommended for medium to small growing pots and plugs. Larger quantities can be used for the binding of peat- and coco substrates.
Dosage	25-60 kg Bara Clay 0-1 per m3.
Manufacturing	Bara Clay is manufactured by Bara Mineraler AB. The clay has been crushed, granulated and heat treated in an oven and sieved to fraction 0-1mm.
Packaging	Bulk, 1000 kg BigBag, 20 kg bag (48 per pallet).
Enviromental	Case management is recommended in contact with the product. Wear suitable respiratory equipment: Use a half mask with particle filter P3.

BARA MINERALER
info@baramineraler.se | www.baramineraler.se

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BARA CLAY GRANULATE O-1

PHYSICAL PROPERTIES	
Fraction	Granulate
Grain size	0 - 1 mm
Bulk density	1100-1350 kg/m^3

CHEMICAL COMPOSITION MINERAL ANALYSIS	
Illite	35 %
Quartz	20 %
Feldspar	10 %
Kaolinite	5 %
Gothiet/Glimmer	5 %

CHEMICAL COMPOSITION OXIDE ANALYSIS	
SiO_2	67 %
K_2O	3,5 %
CaO	0,9 %
Fe_2O_3	5,6 %
MgO	1,6 %
Al_2O_3	14,6 %
P_2O_5	0,1 %

BIOLOGICAL PROPERTIES	
Weeds	0-(2) nr/m^2
Harmful nematodes	0 nr/100 ml

CHEMICAL PROPERTIES	
pH_2O (No pH influence in substrate)	6,5 -8
CaCO3 (carbonate lime)	0,1-0,5 %
CEC	20 - 25 meq/100g
Phosphate fixation	90-98 %
H_2S	No reaction
Dioxin (PCDD)(PCDF)	0,3 ng
P-AL	3 - 14mg/100g
Na	0,3 - 0,8 mmol/l
Mn	0,1 - 0,5 µmol/l
Cl	0,3 - 1,3 µmol/l
B	<1 - 4,2 µmol/l

HEAVY METALS	
Cr	41 - 49 mg/kg
Ni	28 - 73 mg/kg
Cu	22 - 52 mg/kg
Zn	73 - 139 mg/kg
As	6,1 - 9,6 mg/kg
Cd	0,11 - 0,35 mg/kg
Hg	0,03 - 0,5 mg/kg
Pb	17 - 25 mg/kg

COMPOSITION OF THE CEC AND AEC
Ca^{2+}
Mg^{2+}
NH^{4+}
K
NO_3
SO_4^{2-}
PO_4^{3-}

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