Erven Trading International b.v.

CHINCHILLA BATHINGSAND - TECHNICAL INFORMATION

Mineralogy

Asbestos free Sepiolite

SEPIOLITE	60%
ASSOCIATED MINERALES	40%

Chemical Analysis

SiO2……	60,5	Fe2O3…….	1,2
Al2O3…….	4,4	Na2O……..	0,5
MgO……	19,5	K2O…….	1,3
CaO…….	2,0	P.C.(1000º)…….	10,6

None of the oxides are free but take part of the clay structure.

Psychical chemical properties

	tipical values	Specifications
Moisture (%)	8	8 ± 3
Bulk density (g/l)	670	670 ± 50
pH	8,7	
Water absorbtion (%)	130	
Oil Absorbtion (%)	90	
BET surface (m2/g)	240	

Particle Size Distribution

TIPICAL VALUES (1)	ASTM	%	SPECIFICATIONS (2)	ASTM	%
Residue in 600 µ	30	0,9	Residue in 600 µ	30	< 5
Residue in 425 µ	40	12,9			
Residue in 250 µ	60	46,6			
Residue in 150 µ	100	33,2			
Residue in 125 µ	120	3,6			
Residue in 125 µ	< 120	2,8	Inferior to 125 µ	< 120	< 8

1. These data are an average analysis of our product 2. Applicable to the whole batch

CHINCHILLA BATHING SAND - QUALITY DESCRIPTION

The chinchilla bathing sand of Erven Trading is of a very high quality.

1. PELLET SIZE

The difference of the pellet size can be checked by the weight per liter. The bathing sand of ETI weighs 630gr per liter (tolerance 10%). In case this weight is higher and the pellet is therefore smaller, there will be too much dust pressure in the cage of the chinchilla, but also in the direct environment of the cage. Not only the chinchilla bronchia's will be harmed by this dust but also for its owner a very unhealthy and dusty situation will exist. Especially Cara patients and consumers with easily irritated bronchies will be harmed by this.
An extra disadvantage is that electrical equipment which is in the same room as the cage of the chinchilla can be harmed by this quality as this finer sand not only spreads it self but will also be attracted by the electrical load of the equipment.
In case the weight of the bathing sand is too low and the pellet size too big, the pellet can however not get through the fine hair structure of the fur of the chinchilla and the cleaning effect on the fur will be gone.
The bathing sand of ETI has the perfect pellet size and weight for chinchilla's, without harming the environment.

2. HARDNESS OF THE PELLET

The chinchilla bathing sand of ETI has the perfect pellet hardness. Often one uses, in stead of our quality, a type of Quarz sand as bathing sand for these animals. A chinchilla, however has a very fine hair structure. When using hard and sharp sand, like quartz bathing sand these hairs will be broken, the hairs will fall in each other and this will cause knots in the fur. These knots create a perfect climate for bacteries.
The chinchilla bathing sand of ETI has the perfect hardness of the pellets for chinchilla's

3. ABSORPTION ABILITY

Compared with other sand which is used for chinchilla's the bathing sand of ETI has a perfect ability for absorption. The skin fat that the chinchilla produces is easily absorpted by this sand, and therefore the fur of the chinchilla remains in a perfect condition.

4. BACTERIOLOGICAL CLEAN

The bathing sand of ETI is a bacteriological very clean product, which improves an absolute top condition of the chinchillac.