



Product Specifications

Smite Organic Killa

Common name (ISO):	Kieselguhr, diatomaceous earth, silica, amorphous silicon dioxide, diatomite
Chemical name (IUPAC and CA):	Kieselguhr, diatomaceous earth, silica, amorphous silicon dioxide, diatomite
CIPAC No:	647
CAS No:	61790-53-2
EEC No:	310-127-6
Product quality:	100% diatomaceous earth (DE). SiO ₂ - content: 920 +- 20g SiO ₂ /kg DE
Characteristics of active substance:	The content of crystalline SiO ₂ has to be below the limit of detection (state of the scientific knowledge today: 0,1%)
Molecular formula:	(SiO ₂) _n
Structural formula:	Molecules build up tetraedic room-net structures (SiO ₄), connection through siloxan bridges (Si-O-Si)
Maximum content in g/kg:	Al ₂ O ₃ : 49 Fe ₂ O ₃ : 21 CaO: 3,8 MgO: 3,1 TiO ₂ : 1,6 Na ₂ O: 1,2 K ₂ O: 1,1
Median particle size:	7 - 8 µm (total range 2 – 18 µm)
Colour:	from white grey to yellow to red

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