

ORGANIC AGRONUTRITIONALS LLC

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<https://www.MegaSilica.com>

832-665-5541

Silicon Dioxide (SiO₂)
Chemical Name - Diatomaceous Earth
Technical Specification

Grade - Soil Conditioner

Chemical Properties		
Silicon Dioxide	SiO ₂	75 - 83
Alumina	Al ₂ O ₃	4 - 6
Ferric Oxide	Fe ₂ O ₃	0.5 - 2.5
Titanium Dioxide	TiO ₂	0.27
Calcium Oxide	CaO	0.23
Manganese Oxide	MnO	NIL
Magnesium Oxide	MgO	0.81
Sodium Oxide	Na ₂ O	1.27
Potassium Oxide	K ₂ O	0.18
Phosphorus Pentoxide	P ₂ O ₅	0.09

Typical Physical Properties	
Color	Pale yellow/off-white
pH of 10% slurry	7.5 - 8.4
Moisture	5 - 12%
Loss on ignition	5.42
Water Absorption	110%
Bulk Density Granulated Powder	0.65 - 0.70 gm/ml 0.36 - 0.40 gm/ml
Particle Size Granulated Powder	2 - 6 mm 500 mesh