

# ***STAR LAKE Diatomaceous Earth***

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**Star Lake Diatomaceous Earth** consists of 100% pure (di-a-toe-may-shus) diatomaceous earth from a fresh water source. It is a fine, white powder with no clay contaminants. It consists of a siliceous skeletal material derived from a specific type of fresh water species of fossilized microscopic one-celled algae called “a diatom”, which is very rich in silica and has a distinctive structure.

Aside from being pure, it is extremely important to note that it has an alkaline pH range varying between 7.5 – 9. It is well known for its consistent quality, performance and smooth texture because of its remarkably uniform particle structure and categorization to ensure a median particle size of 10 microns and median pore diameter of 1.2 microns. The smaller median particle size and pore diameter allows for the binding of smaller particles to the diatom.

**Star Lake Diatomaceous Earth** is classified as a natural amorphous diatomaceous earth because it contains NO additives or clay contaminants and HAS NOT been heated to high temperatures, which would change its natural structure. This product can be utilized in both the organic and conventional feed, grain and livestock industries. The manufacturer certifies that this product is in compliance with the Food Chemicals Codex monograph properties, classifying it as a Food Chemical Codex Grade.

Pure diatomaceous earth is approved by the Canadian Food Inspection Agency as a single feed ingredient, (Schedule IV, Part 1, Class 8.16), utilizing international feed registration # 8-09-363. This product has been utilized in Canada since 1992.

## **INGREDIENTS: 100% fresh water Diatomaceous Earth**

### PHYSICAL PROPERTIES and ANALYSIS, weight %

Diatomaceous Earth .....	100%	
pH .....	7.5 – 9 (alkaline)	
Water Absorption .....	160%	
Median Particle Size, microns .....	10	
Median Pore Diameter, microns .....	1.2	
Amorphous Silica .....	100%	
White in colour with a natural particle structure		
Silicon Dioxide (silica) .....	89%	890g/kg
Aluminum Oxide .....	4.0%	42.1g/kg
Iron Oxide .....	1.7%	17g/kg
Calcium Oxide .....	1.4%	14g/kg
Sodium Oxide .....	1.2%	12g/kg
Magnesium Oxide .....	0.6%	6g/kg
Potassium Oxide .....	0.5%	5g/kg
Other Oxides .....	1.6%	16g/kg

The properties of Star Lake Diatomaceous Earth represents typical average values obtained in accordance with generally accepted test methods, but are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change due to natural fluctuations.

Data shown is considered accurate and reliable, however no guarantee is given nor intended.

For Further Information Contact:

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