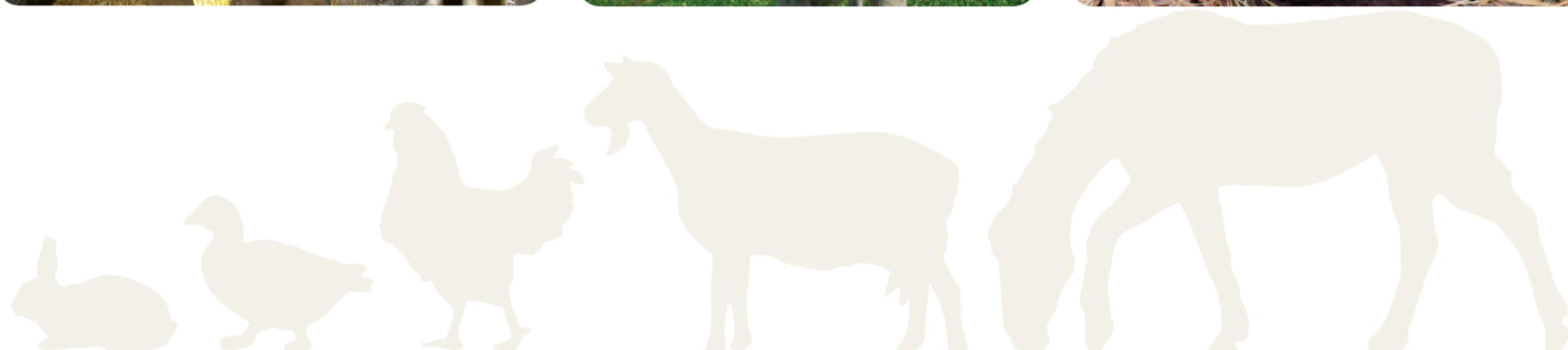


## Product Specification



### Product Benefits

- Broad spectrum Mycotoxin binding
- Improved Feed Efficiency <sup>1,2</sup>
- Improvement in internal parasite load in poultry <sup>1</sup>
- Improvement in egg quality <sup>1</sup>
- An excellent aid to reducing wet litter
- Tested and shown not to bind essential vitamins, minerals or medications

### Product Description

A-liminate is a unique algae derived broad spectrum mycotoxin binder. A-liminate contains high quality diatomite formed by *Melosira Granulata*, a species of exceptionally high quality diatoms in terms of their cylindrical shape and high porosity.

A-liminate provides a unique and very effective way of controlling mycotoxins in feed, to protect your animals from the risk of mycotoxicosis.

A-liminate is composed of diatomite. Diatomite is classified as non-toxic and registered as a food additive in the USA and EU.

Diatomite is approved by the USDA to be included at levels up to 2% by weight of total ration in animal feed.

### Unique Supply Source

Stockpower owns the world's largest deposits of *Melosira Granulata*.

The product is derived from Fresh Water Algae (most of the world's algae are salt water) and these fresh water algae are of a significantly higher quality diatomite, which are more effective and targeted in their effect.

### Physical & Typical Data

Mineralogy	Predominantly diatomite (kieselghur) with some clays
Appearance	Off White Pale Brown Powder
Moisture	<15%
Odour	Nil
Purity	Without foreign substance
pH	8.7
Indicative fine grade particle size distribution:	D90 100µm

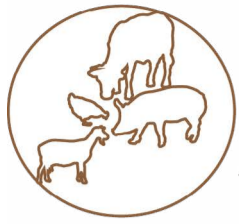
<sup>1</sup> Bennett et al, 2011, "Effect of diatomaceous earth on parasite load, egg production, and egg quality of free range organic laying eggs." Poultry Science, 90

<sup>2</sup> US Patent 3,271,161, Poultry Feed Containing about 1% Diatomaceous Earth

<sup>3</sup> Juan Carlos Blandon Martínez, Adsorbent of Mycotoxins as feed additives in farm animals: Review and several trials using diatomaceous earth as adsorbent to reduce harmful effects of mycotoxins on animals

<sup>4</sup> Natour R.M., Yousef, S.M., 1998. Adsorption efficiency of diatomaceous earth for mycotoxin. Arab Gulf J. Sci. Res. 16, 113E-





# A-liminate™

## Research and Development

Trials have been carried out to test the binding characteristics of A-liminate in comparison to other more traditional sources:

In vitro binding of A-liminate demonstrated that it would bind aflatoxin, ergotamine over 99.9% as well as binding zearalenone and DON.

In-Vivo trials from The Department of Veterinary Pathology, Veterinary College, Hebbal, Bangalore in India demonstrated:

- Inclusion of A-liminate at 800g and 2000g could ameliorate the negative effects of aflatoxin, ochratoxin and T-2 toxin
- A-liminate had no negative effect on animal performance and did not bind essential vitamins and minerals

## Packing and Storage

25kg/bag with polyethylene liner.

## Usage and Administration

Poultry, Swine and aqua	1-3 kg/MT of complete feed
Ruminants	10-20g/head/day

Or as specified by your nutritionists or veterinarians.

## TYPICAL ANALYSIS

### PHYSICAL

Bulk Density packed (g/L): Not applicable

Surface Area (m<sup>2</sup>/g): Not applicable

### CHEMICAL

SiO <sub>2</sub>	56 - 66	Fe <sub>2</sub> O <sub>3</sub>	3.9 - 4.5
K <sub>2</sub> O + Na <sub>2</sub> O	0.6 - 0.9	Al <sub>2</sub> O <sub>3</sub>	15 - 18
CaO	2.1 - 3.9	MgO	1.7 - 3
TiO <sub>2</sub>	0.5	Loss on ignition	9.6 - 12.8

	Low contamination	A-liminate dosage	Medium contamination	A-liminate dosage	High contamination	A-liminate dosage
Aflatoxins	<80 ppb	1kg/t	80-300 ppb	1-3kg/t	>300 ppb	3kg/t
Deoxynivalenol	<250 ppb		250-1000 ppb		>1000 ppb	
Fumonisin	<250 ppb		250-1000 ppb		>1000 ppb	
T2	<150 ppb		150-400 ppb		>400 ppb	
Ochratoxins	< 80 ppb		80-500 ppb		>500 ppb	
Zearalenone	< 50 ppb		50-300 ppb		>300 ppb	

Produced in Australia by:

**stockpower™**

Stockpower Pty Ltd  
T: +61 2 9251 7652  
info@stockpower.com.au

Distributed by:

**IRONBARK**  
AGRICULTURE

**Ironbark Agriculture**

T: +61 400 042 715  
158 Ironbark Rd, Ironbark Qld 4306  
[www.ironbarkagriculture.com](http://www.ironbarkagriculture.com)  
ironbarkagriculture@gmail.com