

PRODUCT DESCRIPTION:

IMMUNOWALL® prevents the colonization of the intestinal tract by pathogens, stimulates the immune activity of phagocytic cells, and enhances the action of beneficial bacteria such as lactobacillus and bifidobacterium, creating an immunological wall against diseases. **IMMUNOWALL®** also has powerful mycotoxin adsorption properties. It is a premium yeast cell wall fraction, the richest source of gut resistant β -glucans and mannan-oligosaccharides (MOS).

ICC GUARANTEES:

BROMATOLOGICAL ANALYSIS

β -Glucan (1-3,1-6)	Min.	300.0	g/Kg
Mannan-oligosaccharides	Min.	170.0	g/Kg
Crude Protein	Max.	350.0	g/Kg
Moisture	Max.	80.0	g/Kg
Ash	Max.	70.0	g/Kg
Ether Extract	Min.	0.5	g/Kg
Crude Fiber	Max.	50.0	g/Kg

MICROBIOLOGICAL:

Total Plates Count	$\leq 15,000$	CFU/g
Enterobacteriaceas	< 300	CFU/g
<i>Escherichia coli</i>	Absent	per 1g
Mold and Yeast	≤ 100	CFU/g
Salmonellas	Absent	per 25g

HEAVY METAL:

Arsenic	Max.	2.00	ppm
Cadmium	Max.	0.5	ppm
Lead	Max.	5.00	ppm
Mercury	Max.	0.10	ppm

TYPICAL ANALYSIS:

MINERALS:

Aluminum	9.10	ppm
Copper	2.81	ppm
Chrome	n.d.	ppm
Iron	100	ppm
Selenium	n.d.	ppm
Silica	n.d.	ppm
Sodium	5000	ppm

PHYSICAL CHARACTERISTICS:

Apparently density	550	g/L
Average particle size	0,150	mm
Granulometry – 80 mesh	95	%

DOSAGE:

BROILERS, LAYING HENS, BREEDERS & TURKEYS

Starter/Grower/Finisher/ Lay Cycle (all phases)	0.50 kg/ton. of feed
Associate with AGPs, Probiotics, Phytogenics or Acidifiers	0.25~0.50 kg/ton. of feed
High pathogen or mycotoxin challenge	0.50~1.00 kg/ton. of feed

SWINE

Piglets	1.0~2.0 kg/ton. of feed
Growing	1.0~2.0 kg/ton. of feed
Finisher	1.0~2.0 kg/ton. of feed
Sow	1.0~2.0 kg/ton. of feed
Animals under stress	5.0 kg/ton. of feed

AQUA

Fish	1 to 2 kg/ton. of feed
Shrimp	1 to 2 kg/ton. of feed

CATTLE

Calves	5~7 g/head/day
Dairy cows	10 ~14 g/head/day
<i>*Under stress and challenging conditions, the dosage can be increased up to 20 g/head/day.</i>	

HORSES

Young horses (0 to 1 year)	15 g/head/day
Young horses (1 to 2 years)	10 g/head/day
Adults	10 ~20 g/head/day

PETS

Dogs

Adult diets	1.0 kg/ton. of feed
Puppy diets	2.0 kg/ton. of feed
Therapeutic diets	4.0~6.0 kg/ton. of feed

Cats

Adult diets	1.0 kg/ton. of feed
Kitten diets	2.0 kg/ton. of feed
Therapeutic diets	4.0~6.0 kg/ton. of feed

ORGANOLEPTIC ANALYSIS:

***Colour:** Beige to light brown

Odor: Typical

Visual Aspect: Fine powder, good fluidity and free of lumps.

IMMUNOWALL® is a natural product derived from sugar cane ethanol fermentation which confers to the product the thickest and less digestible yeast cell walls, highly concentrated in β -glucans but, at the same time, the color may fluctuate from beige to light brown. This variation does not interfere with its functional quality.

PACKING: 25 kg multiwalled paper bags polyethylene liner/800 kg tote bag.

STORAGE: Store in a cool and dry place, free from insects and other pests.

SHELF LIFE: 24 months from production date.

THE PRODUCT IS GMO-FREE



THIS SPECIFICATION SHEET IS ONLY FOR INDICATIVE PURPOSE