EcovaPure™ EM

PRODUCT SPECIFICATION

Description

EcovaPure™ EM contains isolated eggshell membrane, which is often ground and used as a nutritional supplement. Our ahead-of-the-curve EcovaPure™ processing technology produces clean, high-quality egg yolk products efficiently and at lower costs than standard methods. Ecovatec's processing meets consumer preferences for natural supplements that aren't contaminated and denatured by harsh solvents. Ecovatec's eggshell membrane is extracted from the eggshell provided by Canadian egg producers.

Applications

EcovaPure™ EM is usually processed into a nutritional supplement which promotes healthy joints and reduces arthritic pain by providing collagen and glycosaminoglycans to the body and by reducing inflammation. Eggshell and eggshell membrane has also been used for biosorption of heavy metals and dyes in water for environmental purposes. Further uses of eggshell membrane focus on cosmetics, where the collagen from the eggshell membrane is less allergenic than other collagens and improves the appearance of skin.

Shipping Information

Source:	Canadian Egg Shell
Appearance:	Pinkish-white powder
CAS No.	None
HS Code:	2106.10.00
INCI No:	16314

Specifications

100% Eggshell membrane

Test Items	Specifications	Analytical Values	Method
Appearance/Color	Off-white to faint pink	Passed	Visual
Appearance/Form	Powder with slight, characteristic odor	Passed	Visual
Protein	≥ 80 %	97.7 %	AOAC 990.03
Moisture	NMT 10 %	6.2 %	AOCS 935.29
Ash	NMT 5 %	1.3 %	AOCS 942.05, 923.03
Heavy Metals* - As, Hg, Pb, Cd	NMT 50 ppm	NMT 0.2 ppm	ICPMS
Aerobic Plate Counts	NMT 1,000 cfu/g	< 5 cfu/g	MFHPB-18
Salmonella	Negative in 25g	Negative in 25g	MFHPB-20
Coliforms	<10 CFU/g	<10 CFU/g	MFHPB-34
E. coli	Not Detected	Not Detected	MFHPB-34

* Tests are not conducted per lot.

Packaging and Storage

Packaging:	1, 5, or 10 kg bags, boxed together depending on order size
Storage:	Dry, room temperature
Expiry:	2 years*

* (from manufacturing date – unopened and stored at recommended specs; shelf-life testing is on-going)