

PRODUCT SPECIFICATION

Description

EcovaPure™ PV is a pure phosvitin protein product previously only available in laboratory quantities from one supplier. Now commercially available, through Ecovatec’s proprietary isolation techniques. Phosvitin is an incredibly bioactive protein with great pharmaceutical potential. Our ahead-of-the-curve EcovaPure™ processing technology produces clean, high-quality egg yolk products efficiently and at lower costs than standard methods. The process maintains phosvitin’s full protein structure without denaturing it. Ecovatec’s phosvitin is extracted from 100% pasteurized egg yolk from Canadian egg producers, located near quality grain sources.

Applications

EcovaPure™ PV has a broad range of useful applications. Phosvitin is the most highly phosphorylated protein found in nature with unique properties and is being investigated in laboratories worldwide. The full phosvitin protein is being researched for its anti-bacterial, anti-viral, anti-carcinogenic, and anti-inflammatory properties. PV is available for laboratories to purchase for further research and testing.

Shipping Information

Source: 100% Pasteurized Canadian Egg Yolk
 Appearance: Off White Fine Powder
 CAS No. 9008-96-2
 HS Code: 2106.10.00

Specifications

Protein > 75 %

Test Items	Specifications	Analytical Values	Method
Appearance/Color	Off-white	Passed	Visual
Appearance/Form	Fine Powder	Passed	Visual
Solubility (Color)	Colorless to very faint yellow	Passed	Visual
Solubility in water (50 mg/ml to 200 mg/ml)	Clear to very slightly hazy	Passed	Visual
Total Protein	> 75 %	85.5 %	AOAC 990.03
Phosphorous	> 10,000 ppm	27,890 ppm	ICPMS
Moisture	< 7 %	6.7 %	AOAC 935.29
Ash	< 12 %	10.4 %	AOAC 942.05, 923.03
Heavy Metals* - As, Hg, Pb, Cd	NMT 10 ppm	NMT 1 ppm	ICPMS
Aerobic Plate Counts	NMT 10,000 cfu/g	NMT 3,900 cfu/g	MFHPB-18
Coliform	Not Detected	Not Detected	MFHPB-34
Salmonella	Not Detected	Not Detected	MFHPB-20

* Tests are not conducted per lot.

Packaging and Storage

Packaging: 1g, 10g, 100g, or 1 kg sealed 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)