



DAVISCO
FOODS INTERNATIONAL, INC.*



BiPRO[®] Whey Protein Isolate

Product Description

BiPRO is manufactured from fresh, sweet dairy whey that is concentrated and spray dried. The product is a homogenous, free flowing, semi-hygroscopic powder with a clean, bland flavor.

Product Functionality

BiPRO is a unique, natural and pure dairy protein comprised of beta-lactoglobulin and alpha-lactalbumin. *BiPRO*'s functional protein groups have valuable gelling, water binding, emulsification, and aeration properties. *BiPRO* replaces larger quantities of other functional ingredients providing improved flavor and mix efficiency. *BiPRO* is not denatured and is fully soluble over the pH range 2.0 to 9.0. *BiPRO* is lactose-free†.

<u>Analysis*</u>	<u>Specification</u>	<u>Typical Range</u>	<u>Test Method</u>
Moisture (%)	5.0 max.	4.7 ± 0.3	Vacuum Oven AOAC 927.05
Protein, dry basis (N x 6.38) (%)	95.0 min.	97.7 ± 0.7	Leco Combustion AOAC 990.03
Fat (%)	1.0 max.	<0.5	Mojonnier AOAC 989.05
Ash (%)	3.0 max.	1.9 ± 0.3	Residue on Ignition AOAC 930.30
Lactose (%)	0.5 max.	<0.2	By difference AOAC 986.25
pH	6.7 - 7.5	7.0 ± 0.3	10% Sol. @ 20°C AOAC 945.27
Scorched Particles	15 mg/25g max.	7.5mg	ADPI, AOAC 952.21

<u>Microbiological Profile</u>	<u>Specification</u>	<u>Typical Range</u>	<u>Test Method</u>
Aerobic Plate Count	<10,000/g	<2,500	FDA/BAM, AOAC 966.23
Coliform (MPN)	<10/g	<10	FDA/BAM, AOAC 966.23
<i>E. coli</i> (MPN)	Negative/g	Negative	FDA/BAM, AOAC 966.23
Yeast & Mold	10/g max.	≤10	FDA/BAM
Coag. Pos. Staph(MPN)	<10/g	<10	FDA/BAM, AOAC 966.23
Salmonella sp.	Negative/1500 g	Negative	FDA/BAM, ELISA AOAC 2004.03
Listeria sp.	Negative/25 g	Negative	FDA/BAM, ELISA AOAC 999.06

*All results reported on "AS IS" basis except where noted

Storage and Packaging

Dried dairy products can absorb odors and moisture. Therefore, adequate protection is essential. Shelf life is 3 years from the manufacture date. Shelf life will be enhanced through ideal storage conditions which include temperatures below 25°C., relative humidity below 65%, and an odor free environment. Avoid less than ideal storage conditions.

Packaged in Kraft multiwall bags, incorporating a polyethylene bag liner, individually closed.

Net wt.: 33 lb. Bag

Contact your Sales Representative for additional packaging options.

†Based on US regulatory labeling of sugars and carbohydrates in products that contain less than 0.5g per serving as "0g" or "Sugar Free". Always consult with qualified legal representation for proper labeling and claims on your final product.

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