



DAVISCO
FOODS INTERNATIONAL, INC.*

Instantized *Bi*PRO® I.P. (Identity Preserved)

Instantized Whey Protein Isolate

Product Description

Instantized *Bi*PRO I.P. 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. Less than 1.5% sunflower lecithin is added to the instantization process to aid in product dispersibility.

Product Functionality

Instantized *Bi*PRO I.P. is a unique, natural and pure dairy protein comprised of beta-lactoglobulin, alpha-lactalbumin, and the minor whey proteins found commonly in whey. Instantized *Bi*PRO I.P. replaces larger quantities of other functional ingredients providing improved flavor and mix efficiency. Instantized *Bi*PRO I.P. is not denatured and is fully soluble over the pH range 2.0 to 9.0. Instantized *Bi*PRO I.P. is lactose-free†.

<u>Analysis*</u>	<u>Specification</u>	<u>Typical Range</u>	<u>Test Method</u>
Moisture (%)	7.0 max.	6.5± 0.5	Vacuum Oven AOAC 927.05
Protein, dry basis (N x 6.38) (%)	95.0 min.	96.5 ± 0.4	Leco Combustion AOAC 990.03
Fat (%)	2.0 max.	1.3± 0.3	Mojonnier AOAC 989.05
Ash (%)	3.0 max.	2.0± 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 ± 0.2	10% Sol. @ 20°C. AOAC 945.27
Scorched Particles	15 mg/25g max.	7.5 mg	ADPI AOAC 952.21
Loose Bulk Density (lbs/cu. ft.)	15.0 – 20.0	17.0 ± 2.0	By Weight USP <616>
Sieve Size (%)	10% max. on 20 mesh	<1.0	Ro-Tap USP <786>
	85% min. on 100 mesh	90.0± 5.0	Ro-Tap USP <786>
	10% max. thru 140 mesh	<1.0	Ro-Tap USP <786>
<u>Microbiological Profile</u>			
Aerobic Plate Count	<10,000/g	<2,500	FDA/BAM, AOAC 966.23
Coliform (MPN)	<10/g	<10	FDA/BAM, AOAC 996.02
<i>E. coli</i> (MPN)	Negative/g	Negative	FDA/BAM, AOAC 996.23
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, AOAC 2004.03
Listeria sp.	Negative/25 g	Negative	FDA/BAM, AOAC 999.06

* All results reported on “AS IS” basis except where noted.

** Standard Methods for the Examination of Dairy Products, 16th Edition.

Storage and Packaging

Dried dairy products can absorb odors and moisture. Therefore, adequate protection is essential. Shelf life is 2 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.: 50 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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7500 Flying Cloud Drive, Suite 250A Eden Prairie, Minnesota 55344
Phone: 952-914-0400 Fax: 952-914-0887
www.DaviSCO Foods.com