



DAVISCO
FOODS INTERNATIONAL, INC.*



Instantized BioZate® 1

Product Description

Instantized BioZate® 1 is highly purified whey protein that is partially hydrolyzed under controlled conditions to obtain unique functional and nutritional properties. Less than 1.5% soy lecithin is added to the instantization process to aid in product dispersibility.

<u>Analysis*</u>	<u>Specification</u>	<u>Typical Range</u>	<u>Test Method</u>
Moisture (%)	7.0 max.	6.4 ± 0.4	Vacuum Oven
Protein, dry basis (N x 6.38) (%)	90.0 min.	94.3 ± 0.8	Leco Combustion
Amino Nitrogen (AN) (%)	1.5 min.	1.7 ± 0.1	Formol Titration
AN/TN (%)	11.8 min.	12.3 ± 0.1	Calculated
Degree of Hydrolysis (%)	4.0 min.	5.1 ± 0.2	OPA Method
Fat (%)	2.0 max.	1.6 ± 0.4	Mojonnier
Ash (%)	6.0 max.	4.6 ± 0.4	Residue on Ignition
Lactose (%)	1.0 max.	< 1.0	By Difference
pH	8.5 max.	8.0 ± 0.2	10% Sol. @ 20°C.
Scorched Particles	15 mg/25 g max.	7.5 mg	ADPI
Loose Bulk Density (lbs./cu. ft.)	15.0 – 20.0	16.5 ± 0.4	By Weight
Sieve Size (%)	10% max on 20 mesh	< 1.0	Ro-Tap
	70% min. on 100 mesh	90.0 ± 5.0	Ro-Tap
	10% max. thru 140 mesh	< 0.5	Ro-Tap

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

* 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 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 Lbs.

version 09G-0325