

# PRODIET 87 B FLUID

CHINA

Ref. MPI87BDM90

NUTRITIONAL  
DATA SHEET

**Description** PRODIET FLUID is a milk protein isolate (MPI) in spray-dried powder that contains more than **87% protein on dry matter**.  
PRODIET FLUID is **riched in micellar caseins**: 92% as compared to 80% in original milk.  
PRODIET FLUID benefits from an **increased fluidity**.

**Applications** PRODIET FLUID increased fluidity makes it particularly suitable for **beverages**: it allows to reach very high protein contents in finished products while limiting viscosity increase.  
PRODIET FLUID also offers **good heat stability** and **pleasant milky taste**.

**Benefits** PRODIET FLUID is rich in high nutritional quality proteins and enriched in micellar caseins which have a positive effect on muscle building and satiety.  
PRODIET FLUID is thus particularly adapted to the market of **diet and sports nutrition**.

## Moisture

Total moisture	5.0 %
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## Protein

Total protein	84.0 %
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Protein on dry matter	88.0 %
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Casein micelles / proteins	92.0 %
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## Fat

Total fat	1.5 %
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Saturated fat	0.94 %
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Mono-unsaturated fat	0.5 %
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Poly-unsaturated fat	0.06 %
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Cholesterol	747 mg / kg
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## Carbohydrates

Total carbohydrate	3.0 %
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(of which) Sugars	3.0 %
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Lactose	3.0 %
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## Minerals

Total ash	6.5 %
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Calcium (Ca)	2.0 %
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Magnesium (Mg)	0.1 %
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Phosphorus (P)	1.2 %
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Potassium (K)	0.3 %
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Sodium (Na)	0.1 %
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Salt	0.25 %
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## Vitamins

Vitamin B1 (thiamin)	10-150 µg / 100 g
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Vitamin B2 (riboflavin)	700-1000 µg / 100 g
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Vitamin B6	150-300 µg / 100 g
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Vitamin B9 (folic acid)	5-70 µg / 100 g
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Vitamin C (ascorbic acid)	0-3000 µg / 100 g
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**Energy per 100g**

362 kcal - 1535 kJ

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**ingredia**  
FUNCTIONAL

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## Aminogram (per 100g protein)

Chemical score	128
Net protein utilisation	87
Biological value	91
Alanine	3.0 %
Arginine	3.3 %
Aspartic acid + Asparagine	6.7 %
Cysteine / Cystine	0.52 %
Glutamic acid + Glutamine	20.7 %
Glycine	1.75 %
Histidine (EAA) <sup>(1)</sup>	2.7 %
Isoleucine (BCAA-EAA) <sup>(2)</sup>	4.85 %
Leucine (BCAA-EAA)	9.2 %
Lysine (EAA)	7.8 %
Methionine (EAA)	2.7 %
Phenylalanine (EAA)	4.76 %
Proline	10.0 %
Serine	5.3 %
Threonine (EAA)	4.1 %
Tryptophan (EAA)	1.2 %
Tyrosine	5.1 %
Valine (BCAA-EAA)	6.2 %

(1) EAA = Essential Amino Acid

(2) BCAA = Branched-chain Amino Acid

## Other

Nitrates	0 ppm
Nitrites	0 ppm