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Product specification

| | |
|--------------------------|--|
| Productname: | Whey Protein Powder WPC 80 Regular Lactose Reduced |
| Specification no: | 2017.8050.4 |
| Description: | WPC 80, with a low lactose content. Manufactured only from sweet whey, the byproduct of natural cheese manufacturing. The product is in compliance with the standards and regulations for food safety. |
| Application: | Product is manufactured by spraydrying. |
| Ingredients: | Food Industry Sweet whey. Comforms with EU requirements for non-GMO labeling, and is a natural and all-dairy ingredient. |

| | Typical | Limit | Unit | Reference |
|---|-----------------------------------|---------------------|--------|--|
| <u>Chemical analysis</u> (on dry matter) | | | | |
| Moisture | 3.5 | max. 4.5 | % | 102 °C |
| Protein | 80 | 78.0 - 82.0 | % | ISO 8968-1 |
| Lactose | 0.5 | max. 1.5 | % | HPLC |
| Fat | 6 | max. 10.0 | % | ISO 1736 |
| Ash | 3.5 | max. 6.0 | % | 550 °C |
| <u>Microbiological analysis</u> | | | | |
| Total plate count | <10.000 | max 50.000 | /g | ISO 4833 |
| Salmonella | neg. | neg. | /125 g | ISO 6579 |
| E. Coli | neg. | neg. | /10 g | ISO 7251 |
| Enterobacteriaceae | neg. | max. 10 | /g | ISO 21528-2 37 °C |
| Moulds | <50 | max. 100 | /g | ISO 7954 |
| Yeasts | <50 | max. 100 | /g | ISO 7954 |
| Coag. Pos. Staphylococcus | neg. | max. 10 | /g | ISO 6888 |
| Bacillus cereus | <10 | max 10 | /g | ISO 7932 |
| (Aerobic Thermophylic Count 55 °C)* | <10 | max. 100 | /g | ISO 4833 |
| (Aerobic Count 30 °C, Sporeforming)* | <10 | max. 100 | /g | ISO 4833 |
| Enterobacter sakazakii | neg. | neg. | /g | ISO/TS 22964:2006,IDT |
| <u>Physical analysis</u> | | | | |
| PH | 6.2 | min. 5.8 - max. 6.6 | | 10% solution |
| Scorch. part. (A-D:7.5-15-22.5-32.5) | disc A (7.5 mg) | max. 15 | mg | ADPI |
| <u>Contaminants</u> | | | | |
| Antibiotics | neg. | | | Charm test, tested on concentrate, not on powder |
| Pesticides and PCB's | Conform Regulation (EC) 1881/2006 | | | |

* Target, no release criteria

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Allergens

| | |
|-------------------------------|-------------|
| Gluten | Not present |
| Crustaceans | Not present |
| Eggs | Not present |
| Fish | Not present |
| Peanuts | Not present |
| Soy | Not present |
| Milk (incl. lactose) | Present |
| Nuts | Not present |
| Celery | Not present |
| Mustard | Not present |
| Sesame | Not present |
| Sulphur dioxide and sulphites | Not present |
| Lupin | Not present |
| Molluscs | Not present |

Product information

| | |
|-------------------|---|
| Appearance | Free flowing powder, free of lumps other than those which break up under slight pressure. |
| Taste and flavour | Slightly sweet, with no off-flavours |
| Colour | White. Yellowish/white |
| GMO | Not present, no labelling required according to EG nr. 1829/2003 and 1830/2003 |

Storage

| | |
|------------|--|
| Conditions | Product should be stored in cool (20 gr. Celcius) and dry conditions (65% r.v.). Do not expose to direct sunlight or strong odours. |
| Shelf-life | 12 Months |

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Nutritinal information

| | |
|-----------------------------------|-------|
| Energy content (KJ/100g) | 1,700 |
| Protein (N x 6.38) (g/100g) as is | 80.8 |
| Fat (g/100g) | 6.2 |
| Total Carbohydrate (g/100g) | 1 |
| Calories (kcal/100g) | 402 |
| Total Sugars (lactose) (g/100g) | 1 |
| Fibre (g/100g) | 0 |
| Saturated fat (g/100g) | 4.2 |
| Sodium (mg/100g) | 200 |
| Calcium (mg/100g) | 540 |
| Salt (mg/100g) | 0.35 |

Additional information

| | |
|-----------------------|------|
| Cadmium CD (µg/kg) | <2 |
| Mercury (µg/kg) | <1 |
| Lead PB (µg/kg) | <20 |
| Aflotoxine M1 (µg/kg) | <0.1 |
| Arsenic (µg/kg) | <30 |

Food Certification

GFSI certified

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