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Trade registration nr. 50769421 Chamber of Commerce Utrecht

Product Data Sheet

Product Name: Galacto-oligosaccharide
Molecular Formula: C18-H32-O16
CAS No.: 6587-31-1
Standard according as: Q/BLB 0007S-2016
Grade type of product: 27% powder; 57% powder, 57% liquid; 70% Powder

Description

Galactooligosaccharide, for short GOS, is a functional oligosaccharide, most of which exist in human breast milk, and bare in cow's milk. Its existence provide important carbon source that will promote the beneficial bacteria to be advantage flora for infant internal

Specifications

27% powder		57% powder	
Test Item	Standard	Test Item	Standard
Appearance	White powder without peculiar smell, without the impurity that can be seen by eye	Appearance	White powder without peculiar smell, without the impurity that can be seen by eye
Moisture, %	3.5 max.	Moisture, %	4 max.
Ash, %	0.3 max.	Ash, %	0.3 max.
pH	5.0 – 6.5	pH (10%)	2.8 – 3.8
Odor	Slight sweet	Odor	Slight sweet
The total of Galacto-Oligosaccharide, %	27 min.	The total of Galacto- ligosaccharide, %	57 min.
Bacterium total, /g	1000 max.	Bacterium total, /g	1000 max.
E.coli, /100g	30 max.	E.coli, /100g	30 max.
Pathogen	Nil	Pathogen	Nil
Arsenic (ppm)	0.5 max.	Arsenic (ppm)	0.5 max.
Lead (ppm)	0.5 max.	Lead (ppm)	0.5 max.

57% liquid		70% powder	
Test Item	Standard	Test Item	Standard
Appearance	Colorless or light yellow liquid, without the	Appearance	White powder without peculiar smell, without the impurity that can be

	impurity that can be seen by eye		seen by eye
Taste	Light sweet, no abnormal odor	Moisture, %	4 max.
Dry substance content	74 min	Ash, %	0.3 max.
Ash (%)	0.3 max.	pH	2.8 – 6.0
pH	3.0 – 4.0	Odor	Slight sweet
The total of galactooligosaccharide (dry substance), %	57 min.	The total of galactooligosaccharide (dry substance), %	70 min.
Bacterium total, /g	1000 max.	Bacterium total, /g	1000 max.
E.coli, /100g	30 max.	E.coli, /100g	30 max.
Pathogen	Nil	Pathogen	Nil
Arsenic (ppm)	0.5 max.	Arsenic (ppm)	0.5 max.
Lead (ppm)	0.5 max.	Lead (ppm)	0.5 max.

Packaging:

Powder: Packaged in multi-layer kraft paper bag with food grade PE inner bag, net 25kg/bag.
 Liquid: in food grade plastic drum, net weight 30kg/280kg; IBC drum, net weight 1400kg;
 (Other packaging types are available on requests)

Shelf life

Powder: 24 months if stored under recommended storage conditions.
 Liquid: 12 months months if stored under recommended storage conditions.

Storage conditions

Should be stored in a cool, ventilated and dry place below 40°C and relative humidity less than 70%