

BIOLIGO® GL-5700 IMF

Description: Biologo® GL-5700 IMF is synthesized from food-grade lactose in the transgalactosylation reaction using β -galactosidases from microorganism and complies with the definition of galacto-oligosaccharide (GOS). It is sold in a syrup form with 57% minimum GOS content

Appearance: Clear, pale yellow syrup

Label declaration recommendation: Galacto-oligosaccharides (GOS)

EU Classification: Food Ingredient

Storage and handling: Store in a clean, dry, well-ventilated area between 15 and 25 degrees Celsius in the unopened originally sealed container, away from odorous materials.

Shelf life: 18 months from date of manufacture if stored in the unopened, originally sealed container.

Safety data: Not regarded as hazardous. Please refer to Safety Data Sheet.

SUPPLY SPECIFICATION (PHYSICAL & CHEMICAL DATA)

	Min	Max	Unit	Method
Solids	74		%	CML-CPI
pH	2.8	3.8	-	SMA P-40
Galacto-oligosaccharides	57		%	SMA G-80
Lactose		17.5	%	SMA G-80
Glucose		22	%	SMA G-80
Galactose	0.8		%	SMA G-80
Viscosity, Brookfield 25°C	1000	5000	cps	CML-CPI
Ash, sulphated		0.3	%	SMA A-90
Nitrogen		0.032	%	CML-CPI

Effective Date: 19.07.2021

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SUPPLY SPECIFICATION (MICROBIOLOGICAL DATA)

International Committee for Microbiological Standards for Food (ICMSF) methodology

	Value	Tolerance	Unit	Method
TVC (36°C)	300	Max.	per g	SMA MICIA
Yeast	50	Max.	per g	SMA MICIIA
Mould	50	Max.	per g	SMA MICIIA
E. coli	Negative	Max.	per 10g	SMA MICIVD
Salmonella	Negative	Max.	per 375g	CML-264
Bacillus cereus	100	Max.	per g	SMA MICXA
Clostridium perfringens	Negative	Max.	per 25g	Korean Food Codex
Coliforms	Negative	Max.	per 25g	SMA MICIVC
Cronobacter spp. (E. sakazakii)	Negative	Max.	per 400g	SMA MICXIII
Enterobacteriaceae	Negative	Max.	per g	SMA MICXIID
Listeria monocytogenes	Negative	Max.	per 375g	Korean Food Codex
Shigella	Negative	Max.	per 25g	CML_CPI
Staphylococcus aureus	Negative	Max.	per g	CML-CPI
Staphylococci coagulase-positive	Negative	Max.	per 10g	SMA MICVIIA
Streptococcus hemolyticus	Negative	Max.	per 25g	CML-CPI
Anaerobic sulphite reducing spores	10	Max.	per g	ISO 15213
Anaerobic sulphite reducing clostridia	100	Max.	per g	ISO 15213:2003

TYPICAL DATA*

Nutritional Data	Value	Unit	Method
Energy	1618/ 384	kJ / kcal per 100g	Calculation
Fat	0	g / 100g	Measured by analysis
of which saturates	0	g / 100g	Measured by analysis
Carbohydrates	79.9	g / 100g	Calculation
of which sugars*	34.1	g / 100g	Measured by analysis
Fibre	32.4	g / 100g	AOAC 2009.01
Protein	0	g / 100g	CML-CPI
Salt	0	mg / 100g	Measured by analysis

*sugars: fructose, glucose, galactose, lactose

Minerals	Value	Unit	Method
Calcium	<5	mg / kg	F.E.S/A.A.S
Chromium	<0.05	mg / kg	F.E.S/A.A.S
Copper	<1	mg / kg	F.E.S/A.A.S
Iron	<1	mg / kg	F.E.S/A.A.S
Magnesium	<5	mg / kg	F.E.S/A.A.S
Manganese	<1	mg / kg	F.E.S/A.A.S
Molybdenum	<0.01	mg / kg	F.E.S/A.A.S
Potassium	<50	mg / kg	F.E.S/A.A.S
Selenium	<0.01	mg / kg	F.E.S/A.A.S
Zinc	<2	mg / kg	F.E.S/A.A.S

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Heavy Metals	Value	Unit	Method
Arsenic	0.20	mg / kg	SMA A-80
Lead	0.02	mg / kg	SMA L-40
Cadmium	0.01	mg / kg	ICPMS/010
Mercury	0.01	mg / kg	ICPMS/010

* While this information is typical of the product it should not be considered a specification

ADDITIONAL INFORMATION

Contaminants	Complies with Regulation (EC) 1881/2006, as amended
Pesticides	Complies with Regulation (EC) 396/2005, as amended and Directive 2006/141/EC concerning restricted pesticides for infant foods.
Kosher certificate	Yes
Halal certificate	Yes
Sulphur Dioxide (SO₂)	None used

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