



Product Name: VitaSugar™ (Basic Powder)

Description: Isomalto-oligosaccharide mixture (IMOM), the majority of which consisting of 3 to 6 glucose units linked together by digestion-resistant α -1-6 linkages, providing dietary fiber and prebiotic functionality.

Items Analyzed	Specification	Test Method
Chemical Composition:		
Moisture	$\leq 4\%$	Oven Drying at 105°C
Isomalto-oligosaccharides	$\geq 90\%$	HPLC
Glucose	$\leq 5\%$	HPLC
Physical Properties:		
Appearance	Fine powder	Visual
Color	White / light yellow	Visual
Sulphated Ash	≤ 0.3 g/100g	AOAC 923.02
pH	4.0 - 6.0	BNI-QC-010
Heavy Metal Analysis:		
Lead (Pb)	< 0.5 ppm	ICP-MS
Arsenic (As)	< 0.5 ppm	ICP-MS
Microbiological Analysis:		
Total plate count	$\leq 10,000$ CFU/g	USP 30 <2021/2022>
Yeast and mold	≤ 100 CFU/g	
<i>Staphylococcus aureus</i>	Absent (< 10 CFU/g)	
<i>Escherichia coli</i>	Absent (< 10 CFU/g)	
<i>Salmonella</i>	Negative (Not detected)	
Shelf-Life:	24 months from the date of manufacture when properly stored in a closed container in a cool and dry place	
Fiber Content:	$\geq 90\%$ based on digestion-resistant oligosaccharide components	
Taste:	~ 60% as sweet as sucrose (sugar)	
Stability:	pH 2 - 9, stable for baking (350°F)	
Packaging:	25 kg poly-lined bags	
Label Declaration:	Isomalto-oligosaccharides (IMO) or Isomalto-oligosaccharides (prebiotic fiber)	
Safety:	GRAS with FDA notification No. GRN-000246	
Certifications:	Organic, Kosher and Halal certified and is manufactured according to GMPs	

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Product Name: VitaSugar™ (Basic Syrup)

Description: Isomalto-oligosaccharide mixture (IMOM), the majority of which consisting of 3 to 6 glucose units linked together by digestion-resistant α 1-6 linkages, providing dietary fiber and prebiotic functionality.

Items Analyzed

Specification

Test Method

Chemical Composition:

Dried Solids	$\geq 75\%$	Oven Drying at 105°C
Isomalto-oligosaccharides	$\geq 90\%$ (based on dry weight)	HPLC
Glucose	$\leq 5\%$ (based on dry weight)	HPLC

Physical Properties:

Appearance	Liquid with no visible particulates	Visual
Color	lt. yellow to colorless	Visual
Sulphated Ash	≤ 0.3 g/100g	AOAC 923.02
pH	4.0 - 6.0	BNI QC-010

Heavy Metal Analysis:

Lead (Pb)	< 0.5 ppm	ICP-MS
Arsenic (As)	< 0.5 ppm	ICP-MS

Microbiological Analysis:

Total plate count	$\leq 10,000$ CFU/g	USP 30 <2021/2022>
Yeast and mold	≤ 100 CFU/g	
<i>Staphylococcus aureus</i>	Absent (< 10 CFU/g)	
<i>Escherichia coli</i>	Absent (< 10 CFU/g)	
<i>Salmonella</i>	Negative (Not detected)	

Shelf-Life:

24 months from the date of manufacture when properly stored in a closed container in a cool and dry place

Fiber Content:

$\geq 90\%$ based on dried digestion-resistant oligosaccharide components

Taste:

~ 60% as sweet as sucrose (sugar)

Stability:

pH 2 - 9, suitable for baking (~350°F)

Packaging:

25 kg poly-lined bags

Label Declaration:

Isomalto-oligosaccharides (IMO) or Isomalto-oligosaccharides (prebiotic fiber)

Safety:

GRAS with FDA notification No. GRN-000246

Certifications:

Organic, Kosher and Halal certified and is manufactured according to GMPs

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