

Spec No	EU.KG.SP.03
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Product Specification Product

Definition :

Definition	: A Non GMO, glucose syrup powder which is processed from corn syrup. It is a pure nutritive food ingredient. It complies to the Food Chemical Codex and to the European Pharmacopeia monographs.
Product Code	: ND
Country of origin	: Romania origin
Source of origin	: Vegetable origin, dent corn
Chemical Name of Product & Formula	: Carbohydrate / Glucose syrup powder & $C_{6n}H_{(10n+2)}O_{(5n+1)}$

General Characteristics

Appearance	: Solid, powder
Taste	: No off-taste
Odor	: No off-odor
Color	: White
Solubility in water (g / 100ml)	: min.98%

Analysis

Identification	Value	Method
Loss on drying (%) JJ	Max.6	Oven Method
Ph	3.5 - 5.5	pH-meter, 50% DS
SO ₂ (ppm)	<10	Titrimetric method
Sulphated Ash (%)	< 0.1	Treatment with 2N, 0.1mL H ₂ SO ₄
DE (%)		
Nutridex 20	20.0 - 25.0	Lane-Eynon
Nutridex 25	25.0 - 30.0	Lane-Eynon
Nutridex 30	30.0 - 32.0	Lane-Eynon
Bulk density (gr/lit) for powder	500 – 720	Free flowing volume

*Accredited method is preferred

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Microbiology

Analysis	Unit	Value	Method
Total count	n/g	<100	Filtration method
Yeasts	n/g	<50	Filtration method
Moulds	n/g	<50	Filtration method
Coliforms	n/g	Not detected	External lab.*
E. Coli	n/g	Not detected	External lab.*
Staphylococcus aureus	n/g	Not detected	External lab.*
Salmonella	n/25g	Not detected	External lab.*
Listeria monocytogenes	n/25g	Not detected	External lab.*
Sulfite reducing clostridium	n/g	<10	External lab.*
Enterobacteraceae	n/g	<10	External lab.*
Bacillus cereus	n/g	<10	External lab.*

Contaminant Information

Comply with the requirements of the Commission Regulation (EU) 2023/915 on the maximum levels of certain contaminants in food.

Heavy Metals

Analysis	Unit	Value	Method
Arsenic	ppm	< 0.1	External lab.*
Lead	ppm	< 0.1	External lab.*
Cadmium	ppm	< 0.1	External lab.*
Mercury	ppm	< 0.1	External lab.*

Mycotoxins

Analysis	Unit	Value	Method
Toplam Aflatoxin	ppb	< 4	External lab.*
Aflatoxin B1	ppb	< 1	External lab.*

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Ochratoxin A

ppb

< 3

External lab.*

Pesticides

Pesticides results must be acceptable according to national and international standards.

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GMO

Glucose syrup powder is Non-GMO and according to EC regulation No. 1829/2003/EC and 1830/2003/EC, the product has a non-labeling status.

Allergens

Glucose syrup powder is Allergen free according to regulation (EU) 1169/2011.

Glucose syrup powder does not contain food additives, food colors, antioxidants, preservatives or material of animal origin.

Nutritional Information (for 100g)

Energy	380Kcal; 1615KJ
Total Carbohydrate	94g
Water	<6g
Protein	0g 0g
Fiber (including dietary fiber)	<0.1g
Ash	
Fat, total	0g
Saturated	0g
Monounsaturated	0g
Polyunsaturated	0g
Trans fatty acid	0g
Sodium	N/A
Salt (Sodiumx2.5)	N/A
Cholesterol	N/A
Vitamins (A, C, D, etc.)	N/A
Minerals (Calcium, magnesium, etc.)	N/A

Storage

Glucose syrup powder is acceptably stable to air and heat, but it is hygroscopic. Keep package closed. Sealed bags should be stored in-doors under cool, dry conditions. Optimum storage and handling conditions are 25°C or lower and less than 60% relative humidity.

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Shelf Life

24 months stored sealed under recommended conditions.

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Packaging

PE sack or PP bigbags

Also, packaging can be adjustable according to customer demand.

Usage Area

Food industries in basic food applications

End users : -

Distribution Conditions :

The product must be in line with the standart product specification.

The package must be in good conditions.

Transportation must be in the proper conditions not to create any physical, chemical and microbiological effects on the product.

Labelling Data:

Product name, Ingredients, Product quantity, Production date, Best Before, Lot No, Company name and address.

Producer :

OMNIA EUROPE SA.

Fabrica De Amidon

Str. Progresului Nr:16

Medgidia / Constanta

*Accredited method is preferred