



Ingredion™

technical specification

GLOBE® 42 DE Corn Syrup/Glucose Solids 019420

Globe® 42 DE Corn Syrup/Glucose Solids 019420 is used for all food applications where a liquid product cannot be used. This product has high solution clarity and a bland flavor.

Chemical and Physical Properties

	Min.	Max.
Moisture, %	-	4.5
Dextrose Equivalent (D.E.)	41.0	46.0
Color (33% w/w sol'n)	-	2.0
SO ₂ , ppm	-	< 10
Conductivity (µmhos/cm @ 30% d.b.)	-	50
Apparent Starch	-	Negative
Ash, %	-	0.05

Sensory Data

Odor	No detectable foreign odor
Flavor	Clean, typical taste

Carbohydrate Profile, % d.b. Typical

Dextrose	14
Maltose	26
Maltotriose	12
Higher Saccharides (DP4+)	48

Microbiological Standards Max.

Standard Plate Count/g	100
Yeast/g	20
Mold/g	20
Coliforms/g	10
E. coli/10g	Negative
Salmonella/25g	Negative

Screen Test Min. Max.

% on 35 mesh U.S.S.	-	1
	Typical	
% on 45 mesh U.S.S.		10
% on 100 mesh U.S.S.		52
% on 200 mesh U.S.S.		17
% thru 200 mesh U.S.S.		21

Nutritional Data/100 g Typical

Calories	386
Total Fat, g	<0.1*
Cholesterol, mg	0
Sodium, mg	<4*
Total Carbohydrate, g	96.6
Dietary Fiber, g	0
Total Sugars**, g	40.7
Added Sugars, g	0
Other Carbohydrate, g	55.9
Protein, g	<0.1*
Vitamin D, mcg	0
Calcium mg	<4*
Iron, mg	<0.4*
Potassium, mg	<20*
Ash, g	<0.1*

* Not present at level of quantification.

** "Total Sugars" in this product may contribute to "Added Sugars" for nutrition labeling purposes in the final consumer product.

Certification

Kosher pareve
Halal

Packaging and Storage

Bags
Supersacs

Product should be stored in a clean, dry area, not exposed to prolonged high temperatures (>90°F, >32°C).

Shelf Life

2 years

Regulatory Data

CAS No. 68131-37-3

United States

Meets FCC (Food Chemical Codex) requirements.
Standard of Identity 21 CFR 168.121
GRAS Affirmation 21 CFR 184.1865
Labeling Corn Syrup Solids or Dried Corn Syrup or Glucose Syrup Solids or Dried Glucose Syrup

Canada

Standard Food CFDA Regulation
Standard of Identity B.18.017
Labeling Glucose Solids or Dried Glucose Syrup

Features and Benefits

Enzyme converted
Consistent carbohydrate distribution
Moderate sweetness
Ion-exchanged
Low ash content
Bland flavor
Remains clear in solution
Ease of handling
Crystallization control

Effective Date: September 10, 2021

Next Review Date: September 10, 2024

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