

Clearsweet® 95% Refined Liquid Dextrose Corn Syrup

Product Information

Cargill's Clearsweet® 95% Refined Liquid Dextrose Corn Syrup is a low ash, demineralized corn syrup with a high dextrose content. It is ideal for applications requiring high fermentability and sweetness, but where dextrose crystallization is not a concern, such as in baking, brewing, fermentation, pickles, and wines.

REPRESENTATIVE CHEMICAL AND PHYSICAL DATA

Chemical and Physical Properties

Dextrose Equivalent (DE)	95 - 99
Refractive Index (20°C)	1.4632 – 1.4656
Refractive Index (45°C)	1.4584 – 1.4607
Total Solids (%)	70.5 – 71.5
Moisture (%)	28.5 – 29.5
Sulfated Ash (%)	0.05 max
pH (1:1)	3.5 – 5.0
pH (1:10)	4.0 – 6.0
Sulfur Dioxide (ppm)	2 max
Conductivity (30% DS)	65 micromhos
Calories/100g	284

Typical Carbohydrate Profile

(% Dry Basis)	
Dextrose	95.0
Maltose	3.0
Maltotriose	0.5
Higher Saccharides	1.5

Microbiological Limits

Mesophilic Bacteria	1,000 cfu/10g max
Yeast	100 cfu/10g max
Mold	100 cfu/10g max

Sensory Characteristics

Appearance	Clear Liquid
Taste	Sweet, Bland
Odor	Characteristic

Density and Viscosity Factors

Temp (°F)	Specific Gravity (Temp°F/60°F)	Pounds/ Gallon (Temp°F)	Pounds/ Gallon (DSB)	Viscosity (cP)
120	1.3281	11.07	7.86	57
140	1.3213	11.02	7.82	38
160	1.3143	10.96	7.78	28

Regulatory/Labeling Data

United States	
GRAS Affirmation Labeling	CFR 21 184.1865 Corn Syrup; Dextrose
Canada	
FDR Labeling	B.18.016 Glucose Syrup; Glucose

Shelf Life and Storage*

The recommended storage temperature range for Clearsweet® 95% Refined Liquid Dextrose Corn Syrup is 130 - 140°F. Syrups stored for extended periods (over 6 months) should be evaluated periodically for fitness of use.

*At below normal storage temperatures, e.g. room temperature, this product may be in a crystallized or "solid" state. It can be returned to its liquid form by applying heat. Please consult Cargill's *Storage and Handling Guidelines* for more details on proper handling.

contact

Sweeteners Regional Offices

2173 Embassy Drive Lancaster, PA 17603 Tel: 800-734-8215 Fax: 717-431-3120	400 E. Diehl Road, Suite 330 Naperville, IL 60563 Tel: 800-344-1633 Fax: 630-505-7846
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technical

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Nutritional Information

Nutritional Profile

The following typical information may be of use in answering questions regarding ingredients in corn sweeteners. Unless specified otherwise, all values are reported on a commercial or "as is" basis.

Nutrient	Amount	Nutrient	Amount
Calories	284 cal/100 g	Cadmium	< 0.05 mg/100 g
Moisture	29.0 g/100 g	Caffeine	< 0.50 mg/100 g
Protein	0.01 g/100 g	Calcium	< 1.0 mg/100 g
Ash	0.05 g/100 g	Chloride	< 1.0 mg/100 g
Total Carbohydrate	71.0 g/100 g	Chromium	< 0.05 mg/100 g
Simple Sugar* (DSB**)	98.0 g/100 g	Copper	< 0.10 mg/100 g
Total Fat	< 0.10 g/100 g	Fluoride	< 0.10 mg/100 g
Dietary Fiber	< 0.10 g/100 g	Iron	< 0.05 mg/100 g
Cholesterol	< 0.10 mg/100 g	Lead	< 0.01 mg/100 g
Trans Fatty Acid	< 0.10 g/100 g	Magnesium	< 0.01 mg/100 g
Biotin	< 0.01 mg/100 g	Manganese	< 0.05 mg/100 g
Niacin	< 0.05 mg/100 g	Mercury	< 0.01 mg/100 g
Pantothenic Acid	< 0.30 mg/100 g	Molybdenum	< 0.10 mg/100 g
Riboflavin	< 0.01 mg/100 g	Phosphorus	< 0.01 mg/100 g
Thiamin	< 0.05 mg/100 g	Potassium	< 0.05 mg/100 g
Vitamin A	< 15 IU/100 g	Selenium	< 0.10 mg/100 g
Vitamin B ₆	< 0.05 mg/100 g	Sodium	< 1.0 mg/100 g
Vitamin B ₁₂	< 0.30 mg/100 g	Sulfur Dioxide	< 0.50 mg/100 g
Vitamin C	< 0.05 mg/100 g	Zinc	< 1.0 mg/100 g
Arsenic	< 0.10 mg/100 g		

* DP₁ + DP₂

** Dry Solids Basis

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