

Clearsweet® 95% Unrefined Liquid Dextrose Corn Syrup

Product Information

Cargill's Clearsweet[®] 95% Unrefined Liquid Dextrose Corn Syrup is an unrefined corn syrup with a high dextrose content and is ideal for use as a fermentation feedstock.

REPRESENTATIVE CHEMICAL AND PHYSICAL DATA Chemical and Physical Properties

Dextrose Equivalent (DE) 95 - 99 Refractive Index (20°C) 1.4633 - 1.4656Total Solids (%) 70.5 - 71.5Moisture (%) 28.5 - 29.5Sulfated Ash (%) 0.4 max pH (as is) 3.0 - 5.0pH (1:1) 3.4 - 5.4Sulfur Dioxide (ppm) 100 max

Typical Carbohydrate Profile

 (% Dry Basis)

 Dextrose
 95.0

 Fructose
 1.0

 Maltose
 2.5

 Maltotriose
 0.5

 Higher Saccharides
 1.0

Density and Viscosity Factors

	Specific	Pounds/	Pounds/	
Temp	Gravity	Gallon	Gallon	
(°F)	(Temp°F/60°F)	(Temp°F)	(DSB)	
110	1.3321	11.11	7.89	
120	1.3288	11.08	7.87	
140	1.3219	11.02	7.83	

Regulatory/Labeling Data

United States

GRAS Affirmation CFR 21 184.1865 Labeling Corn Syrup

Canada

FDR B.18.016

Labeling Glucose Syrup; Glucose (contains sulphites)

Shelf Life and Storage

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

contact

Sweeteners Regional Offices

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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		
Moisture	19.1	%	Acetic Acid	5.6	ppm	
рН	4.51		Citric Acid	8.3	ppm	
Nitrogen (total)	114.3	ppm	Formic Acid	3.2	ppm	
Protein (total)	714.4	ppm	Lactic Acid	142.9	ppm	
Ash	0.08	%				
Carbohydrates			Ions/Metals			
DP ₁	95.6	%	Ammonium	9.6	ppm	
DP_2	3.1	%	Calcium	68.8	ppm	
DP ₃	0.7	%	Chloride	86.3	ppm	
DP ₄ +	0.6	%	Copper	< 0.5	ppm	
			Iron	< 1.7	ppm	
Vitamins			Magnesium	36.3	ppm	
Biotin	< 2 mo	cg/100 g	Manganese	< 0.6	ppm	
Folate	< 8 mo	cg/100 g	Nitrate	6.2	ppm	
Niacin	< 0.03 m	ng/100 g	Phosphate (free)	32.8	ppm	
Pantothenic Acid < 0.20 mg/100 g		Phosphorus	26.4	ppm		
Riboflavin	< 0.02 m	ng/100 g	Potassium	162.6	ppm	
Thiamin	< 0.01 m	ng/100 g	Sodium	172.3	ppm	
Vitamin A			Sulfate	383.8	ppm	
Retinol	< 50 l	U/100 g	Zinc	< 2	ppm	
Beta Carotene	< 50	U/100 g				
Total	< 20 R	E/100 g				

*DP₁ + DP₂

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