



## Sorbitol Solution, USP/FCC

### For Excipient/Food Use (Product Code 177010)

#### Product Information

Sorbitol Solution, USP/FCC, is a clear, colorless, odorless, aqueous solution containing about 71% total solids consisting essentially of D-Sorbitol with a small amount of mannitol and other polyhydric alcohols. Sorbitol Solution, USP/FCC, is a superior humectant in a wide range of products, including confections, cosmetics, tobacco and adhesives. It contributes body and flavor to vehicles for pharmaceuticals and cosmetics, and to certain beverages and foods. Because of its sweet but non-cariogenic nature, it is used in sugar free foods, in dentifrices, and in pharmaceuticals. It is also used as a plasticizer, stabilizer and as a raw material in the manufacture of sorbitan ester/polysorbate and polyurethanes.

#### Standard Specifications

Appearance	Clear, colorless syrup
Taste	Sweet, bland
Odor	None
Identification	Meets USP/FCC
Assay, D-Sorbitol, % Min.	64.0
Water, %	28.5-31.5
pH (14% solution)	5.0-7.5
Specific Gravity @ 25/25°C, Min.	1.285
Refractive Index @ 20°C	1.455-1.465
Residue on Ignition, % Max.	0.1
Reducing Sugars, %, Max.	0.3
Lead, ppm Max.	1
Nickel, ppm Max.	1

#### Microbiological Specifications (per g Max.)

Mesophilic bacteria	1000
Yeast	100
Mold	100

#### Storage/Shelf Life Guidelines

Sorbitol Solution, USP/FCC that is supplied in bulk tank trucks or tank railcars should be stored in stainless steel or FDA approved lined mild steel tanks equipped with ultraviolet sterile conditioning systems. The product should be stored above 70°F in order to prevent crystallization. If crystals have formed, the product may be returned to its normal state with heat and gentle agitation. Sorbitol is chemically and microbiologically stable and the shelf life is indefinite for all practical purposes. However, as pH may drift down over time, it is recommended that pH be re-tested after one year. Product stored in vented tanks may decrease in water over time due to evaporation.

#### General Characteristics

Formula	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>
Molecular Weight	182.17
Viscosity at 77°F (25°C)	110 Centipoises
Boiling Point	221°F (105°C)
Weight/volume at 77°F (25°C)	10.8 lb/gal
Calories/g (dry basis)	2.6

#### Ingredients

Sorbitol (70%)	CAS Number: 50-70-4
Water (30%)	CAS Number: 7732-18-5

#### Regulatory

Country of Origin: United States  
GRAS Affirmation 21 CFR 184.1835  
Meets USP and FCC specifications

#### Availability

Container	Container Code
Bulk Trucks & Railcars	00
1200 kg totes	4E
600 lb. drums	R5

TECHNICAL DATA & INFORMATION



## Archer Daniels Midland Company Corn Business Unit

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### Lot Coding

#### Bulk Trucks

Example: 394082 2016-10-14 S94141

394082	6 digit order number
2016-10-14	YYYY-MM-DD
S94141	Trailer number

#### Bulk Railcars

Example: ADMX015618 161014

ADMX015618	Railcar ID and number
161014	Ship Date of 10-14-16

#### Totes & Drums

Example: 16 10 14 9 002

16	Year
10	Month
14	Day
9	Sorb.=9, Non Cryst.=6, High Mann.=8
002	Sequence number

### Allergen Information

The major food allergens recognized under the US Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) are not present in this product. This product is not manufactured with equipment that comes in contact with the listed allergens, nor do we have these allergens within the production facilities.

- Cereals containing gluten
- Peanuts and peanut products
- Soybean and soybean products
- Tree nuts
- Dairy and dairy products
- Egg and egg products
- Wheat and wheat products
- Crustaceans, mollusks and their products
- Fish and fish products
- Other allergens such as buckwheat, celery, cottonseed, mustard, mustard seed, rice, lupin, sesame seed and sunflower seeds

### Nutrition Information (per 100g product)

Nutrient:	
Total Calories	182 kcal
Calories from Saturated Fat	0 kcal
Total Fat	0 g
Saturated Fat	0 g
Trans Fat	0.0 g
Polyunsaturated Fat	0 g
Monounsaturated Fat	0.01 g
Cholesterol	0 mg
Total Carbohydrates	70 g
Total Sugars	0 g
Sugar Alcohols	70 g
Other Carbohydrates	0 g
Dietary Fiber	0 g
Soluble Fiber	0 g
Insoluble Fiber	0 g
Protein	0 g
Calcium	0.02 mg
Iron	<0.01 mg
Sodium	0.2mg
Potassium	0.04 mg

#### Other Essential Vitamins and Minerals:

Thiamin	0 mg
Riboflavin	0 mg
Niacin	0 mg
Vitamin D	0 µg
Vitamin E	0 mg alpha-tocopherol
Vitamin B-6	0 mg
Folic Acid	0 µg DFE
Vitamin B-12	0 µg
Phosphorus	0 mg
Iodine	0 µg
Magnesium	0 mg
Zinc	0.001 mg
Copper	0.004 mg
Biotin	0 µg
Pantothenic Acid	0 mg
Vitamin A	0 µg RAE
Vitamin C	0 mg

There have been no sugars added during the production process. The total sugars value represents the sugars in this finished ingredient. ADM is not listing added sugars on technical documents to lessen confusion for formulators when calculating their Nutrition Facts panel information.

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