



## Zemea® USP-FCC Propanediol

**INCI Name:** Propanediol

**CAS Number:** 504-63-2

**EINECS Number:** 207-997-3

**FEMA Number:** 4753

### Summary

Zemea® USP-FCC propanediol is a pure, naturally-derived carrier and solvent for flavors and extracts. A welcome alternative to petroleum-based carriers, it offers flavorists and food technologists reduced bitterness and enhanced sweetness in food and beverage products, and provides unique solubility properties for flavoring compounds. Other uses include processing aid and humectant.

### Benefits:

- Reduced bitterness
- Enhanced sweetness
- Alternative to petroleum-based carriers and additives
- Unique solubility properties
- Improved humectancy
- Lowers water activity
- Antimicrobial properties

### Approvals:

- Food Chemicals Codex (FCC)
- United States Pharmacopeia (USP)
- Generally Recognized As Safe (GRAS)
- Flavor & Extract Manufacturers Association (FEMA # 4753)
- 100% Bio-based - USDA BioPreferred Program
- Kosher
- Halal
- Gluten-free

### Typical Properties

Appearance	Clear
Odor	Low, Sweet
Solubility in water	Soluble
Viscosity, cP (20°C)	52
Density, g/ml (20°C)	1.053
pH	Neutral
Purity	99.9%

### Packaging

- 18.1 kg (40 lb) Pails
- 199.8 kg (440 lb) Drums
- 997.9 kg (2,200 lb) Totes

### Storage Conditions and Expiration Date

Sealed containers should be stored within a temperature range of 0°– 50°C (32°–122°F). Containers can be resealed and stored within the same temperature range. Avoid prolonged exposure to oxygen and water. The use of nitrogen during storage is encouraged. If the seal is unbroken and the material has been stored according to the manufacturer's recommendations, a 2 year shelf life can be expected.

### Purity Guarantee

Zemea® USP-FCC propanediol is made from fermentation of glucose and contains no added preservatives, petroleum-based ingredients, or animal by-products.

### For additional information or samples:

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