

Organic Sorbitol Powder



What is Organic Sorbitol Powder?

Organic Sorbitol Powder is a plant-derived sugar alcohol extracted from certified organic non-GMO sources such as corn, wheat, or berries. With **2.6 kcal/g** and a glycemic index (GI) of **9**, it serves as a versatile sweetener, humectant, and bulking agent for clean-label food, pharmaceutical, and cosmetic formulations.

Key Highlights

1. Functional Sweetness:

1. **60% Sucrose Sweetness:** Mild sweetness without aftertaste.
2. **Low Caloric Impact:** 35% fewer calories than sugar (vs. 4 kcal/g).

2. Organic & Clean Processing:

1. USDA/EU Organic, non-GMO, gluten-free (corn-based), and allergen-free.
2. No synthetic solvents or additives.

3. Technical Superiority:

1. **Humectant Properties:** Retains moisture in baked goods and cosmetics.
2. **Heat Stability:** Up to 160°C (320°F) – ideal for baking.

Specifications

| Parameter | Details |
|---------------------|---------------------------------------|
| Source | Organic corn or wheat starch |
| Processing | Enzymatic hydrolysis, crystallization |
| Appearance | White crystalline powder |
| Purity | ≥99% sorbitol (HPLC) |
| Moisture | ≤1% |
| Sweetness | 60% of sucrose |
| Solubility | Fully soluble in water (20°C) |
| Glycemic Index (GI) | 9 |
| Shelf Life | 36 months (cool, dry storage) |

Optional Customizations:

- **Particle Size:** 80-120 mesh (standard) or ultrafine 200 mesh.
- **Blends:** Pre-mixed with stevia, erythritol, or inulin for enhanced functionality.

Applications

- **Food & Beverage:**
 - Sugar-free chewing gum, candies, and diabetic-friendly desserts.
 - Moisture retention in gluten-free breads and protein bars.
- **Pharmaceuticals:**
 - Excipient in chewable tablets, syrups, and oral care products (non-cariogenic).

- **Cosmetics:**

- Humectant in moisturizers, toothpaste, and hair care serums.

- **Industrial:**

- Plasticizer in biodegradable packaging films.

Certifications & Quality Assurance

- **Organic:** USDA, EU 834/2007, JAS.
- **Non-GMO:** Verified by the Non-GMO Project.
- **Purity:** Heavy metals (Pb <0.1ppm, As <0.05ppm), residual solvents <10ppm.
- **Microbial Safety:** Total plate count <1,000 CFU/g; pathogens absent.

Why Choose Us?

1. **Sustainable Sourcing:** Partnering with regenerative organic farms.
2. **Technical Support:** Free formulation guides for sugar reduction and shelf-life extension.
3. **Global Compliance:** Meets FDA GRAS, EFSA, and FSSC 22000 standards.
4. **Customization:**
 1. Private label packaging (MOQ 500kg).
 2. Blends tailored to your product needs.

FAQs

Q: How does sorbitol differ from xylitol?

A: Sorbitol has lower sweetness (60% vs. 100% sucrose) and higher laxative risk at >20g/day.

Q: Is it safe for diabetics?

A: Yes! GI=9 minimizes blood sugar spikes, but monitor total daily intake.

Q: Can it replace glycerin in cosmetics?

A: Yes! Offers similar humectant properties with a cleaner label.

Q: MOQ for samples?

A: 1kg available for R&D trials with full COA.

Packing

