

SPECIFICATION

Product Name: Maltodextrin
Chemical Formula: $(C_6H_{10}O_5)_n \cdot H_2O$
CAS Number: 9050-36-6
Molecular Weight: 500 to 200,000+ g/mol
Appearance: White fluffy powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Description	-	Complies	Slight sweet in taste, characteristic smell of Maltodextrin
Clarity 10% solution	-	Complies	Almost clear to slight hazy
Moisture %	%	5.18%	Max 6.00%
D.E Value %	%	20.48%	18.0 - 25.0%
pH (10% Soln)	-	4.22	4.0 - 7.0
SO ₂ PPM	PPM	24	Max 100 PPM
Ash Sulphated %	%	0.280%	0.5% Max

Physical Properties

- Solubility: Freely insoluble in water. Practically insoluble in ethanol.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container. Keep in a cool, dry place. Protect from moisture and humidity (highly hygroscopic). Avoid direct sunlight and heat. Keep away from strong odors (can absorb odors from surroundings).

Applications

- Use: Used as a bulking agent, filler, and stabilizer in products like beverages, soups, sauces, dairy, and snacks. Acts as a mild sweetener and carrier for flavors, colors, and spray-dried ingredients.
- Dosage: Depends on DE value, formulation, and desired texture/energy level.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1 kgs and 100 grams, or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.