

RICE MALTODEXTRIN COSMETIC GRADE

Natural, High-Performance Functional
Ingredient for Personal Care



Product Description

Rice Maltodextrin is a naturally derived carbohydrate obtained through controlled hydrolysis of rice starch. It appears as a white, free-flowing powder, highly soluble in water, with neutral taste and odour, making it ideal for cosmetic and personal care formulations.

It functions as a multi-functional excipient delivering texture, stability, and performance enhancement across formulations.

Key Functional Properties

- Excellent water solubility & dispersibility
- Film-forming & moisture-binding capability
- Acts as binder, bulking agent, and stabilizer
- Improves texture, spreadability, and sensory feel
- Oil absorption & mattifying effect
- Neutral profile – does not interfere with actives or fragrance

Performance Advantages

Superior Sensory Experience

- Smooth, non-greasy finish
- Enhances spreadability without heaviness

High Stability

- Improves formulation consistency & shelf stability
- Acts as a carrier for actives and fragrances

Moisture Management

- Hygroscopic nature helps retain hydration balance

Applications in Cosmetics



Skin Care

- Creams & lotions – improves texture, stability, and skin feel
- Serums – enhances absorption and smooth finish
- Face masks – provides binding and film formation
- Powders – improves flow and dispersion



Color Cosmetics

- Compact powders & foundations – acts as bulking and binding agent
- Dry shampoos – oil absorption & mattifying



Personal Care

- Deodorants – improves powder stability
- Oral care – acts as carrier and binder



Hair Care

- Shampoos & conditioners – enhances moisture retention
- Styling products – provides light hold and structure

How It Stands Against Competitors

Parameter	Rice Maltodextrin	Corn Maltodextrin	Tapioca Maltodextrin	Native Starch
Source	Non-GMO rice	Often GMO corn	Tapioca	Various
Clean Label Appeal	★★★★★	★★	★★★★★	★★★
Sensory Feel	Smooth, premium	Slightly sticky	Slightly grainy	Powdery
Solubility	Excellent	Excellent	Very good	Moderate
Viscosity Control	Balanced, controllable	Moderate	Lower	High/thick
Skin Compatibility	High (gentle)	Moderate	Good	Moderate
Transparency in Formulation	High	Medium		

Rice-based maltodextrin is often preferred due to its non-GMO origin and neutral sensory profile

Why Rice Maltodextrin Outperforms

Clean Label Advantage

- Derived from rice → aligns with natural & sustainable positioning
- Preferred over corn-based alternatives due to non-GMO perception

Enhanced Formulation Stability

- Improves emulsion stability
- Acts as a carrier system for actives

Better Functional Performance

- Higher viscosity control and binding efficiency
- Superior film-forming and texture enhancement

Versatility

- Works across powders, emulsions, gels, and anhydrous systems

Technical Highlights

- Appearance: White powder
- Solubility: Fully water soluble
- Taste/Odor: Neutral
- Origin: Rice starch (plant-based)
- Labeling: Clean label, gluten-free, non-allergenic potential

Target Positioning

Ideal for brands focusing on: Clean beauty & natural formulations, Sustainable and plant-based ingredients & Premium sensory performance



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