

Celova® Care Gel

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| Commodity Name: | Microfibrillated Cellulose, Pentane-1,2-diol, Xanthan gum |
| CAS No: | 5343-92-0, 9004-34-6, 11138-66-2 |
| HS Code: | 4703.2900 |
| INCI: | Aqua(Water), Pentylene Glycol, Cellulose, Xanthan gum |

Celova® Microfibrillated Cellulose (MFC) is a natural, sustainable, and biodegradable gel-like material derived from cellulose pulp through a purely mechanical process (patent-pending). Its unique properties enhance product performance, add multifunctional benefits, and improve processing efficiency, all while serving as a natural alternative to synthetic ingredients.

Celova® Care Gel is a high-performance, sustainable MFC ingredient for personal care, suitable for skin care, sun care, color cosmetics, and hair care applications, with particular relevance for water-based formulations. Its gel form ensures ease of use and enables the creation of light, fresh textures while delivering effective film-forming properties and enhanced sensory benefits.

Technical Specifications

| Parameter | Specification | Unit | Method |
|-----------------------------|--------------------|-------|-----------------|
| Form | gel | - | Internal method |
| Color | white to off white | - | Internal method |
| Residue on drying | 2.5 - 4.5 | % | Internal method |
| Refractive index | 1.335 - 1.345 | - | Internal method |
| pH | 5 - 9 | - | Internal method |
| Viscosity | ≥ 30 | Pas | Internal method |
| Mesophilic aerobic bacteria | < 100* | CFU/g | ISO 21149 |
| Yeasts and molds | < 100* | CFU/g | ISO 16212 |

*Due to inherent variability of the plate count method, according to USP Chapter 61 or EP Chapter 2.6.12, Interpretation of results, results considered out of limit if > 200 CFU/g

For R&D use only. Not for commercial use. Specifications are provisional and may change.

Storage & Shelf Life

Storage Conditions: Store in a cool, dry and well-ventilated place, away from any source of heat and direct exposure to sunlight. Do not freeze (not below +4°C).

Shelf Life: Up to 24 months from the date of production in original, sealed package.

Packaging Types

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|-------------|----------------|
| Samples: | 500 ml bottle |
| Commercial: | 15 kg in drums |