

Celova® HC

Commodity Name: Microfibrillated Cellulose, Pentane-1,2-diol
 CAS No: 65996-61-4 (Cellulose Pulp), 5343-92-0 (Pentylene Glycol)
 HS Code: 4703.2100
 INCI: Aqua(Water), Pentylene glycol, Cellulose

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® HC (COSMOS-approved), is manufactured using water, pentylene glycol, and microfibrillated cellulose (MFC), and is specifically designed for hair coloration and hair care formulations. It provides a gel-based, multifunctional technology that simplifies the formulation process while meeting the demands of both consumers and professionals.

Technical Specifications

| Parameter | Specification | Unit | Method |
|-----------------------------|---------------------|-------|-----------------|
| Form | gel | - | Internal method |
| Color | white to light grey | - | Internal method |
| MFC content | 2.0 - 4.0 | % | Internal method |
| Pentylene glycol content | 4 - 6 | % | External GC-FID |
| pH | 5 - 9 | - | Internal method |
| Viscosity | ≥ 12 | 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

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

Samples: 500 ml / 1000 ml bottle
 Commercial: 30 kg PE drum / 1000 kg IBC container