

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, 2905.3900
INCI: 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	Range	Unit	Method
Form	gel	-	Internal method
Color	white to light grey	-	Internal method
MFC content	2 – 4	%	Internal method
Pentylene glycol content	4 – 6	%	External by 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 are considered out of limit if > 200 CFU/g.

Storage Conditions	
Storage	Store in a cool, dry and well-ventilated place, away from any source of heat and direct exposure to sunlight.
Shelf Life	Up to 18 months from the date of production in original, sealed package.

Usage recommendation
Mix until properly homogenized to ensure optimal performance results in the formulation.

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

Handling Instructions

Celova® Microfibrillated Cellulose Gel

Celova® gel products are aqueous suspensions of 3% microfibrillated cellulose and 97% water. After production the products are disinfected and have a shelf-life of 6 months in their original, sealed container. To preserve the naturality of Celova® products no biocides are added. That means any contamination can lead to microbial growth. To ensure the quality over time certain rules apply for handling.

Inspect seals upon material reception to ensure containers have not been opened. Report issues promptly!

Contamination Risks:



Opening of original,
sealed containers



Taking samples



Container left open
after use



Transfer of product
into smaller containers



Condensation
water

Handling Recommendations:



Mix before use to
homogenize
(paddle mixer,
agitator,
dispersion disk)



Disinfect any tools
or containers with
70% Ethanol



Store at ambient
temperatures



Do not store
in direct sunlight



Ideally use the
whole container at
once

If you have further enquiries please do not hesitate to contact the Weidmann Fiber Technology Team under:
info@weidmannfibertechnology.com