celova

Technical Datasheet

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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
Pentylen 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