celova

Technical Datasheet

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Celova® Care Gel

Commodity Name:	Microfibrillated Cellulose, cellulose microfibrils
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 - 8	-	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

Samples:	500 ml bottle
Commercial:	15 kg in drums