

**Celova<sup>®</sup> 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<sup>®</sup> HC is a sustainable, cellulose-based multifunctional blend made out of Water, Pentylene Glycol and Cellulose. Microfibrillated Cellulose (MFC) is a natural, sustainable, and biodegradable material which is able to replace petrochemical ingredients in hair coloration. The gel-like material is produced by a purely mechanical process that uses cellulose pulp as a raw material. Celova<sup>®</sup> HC's unique properties improves product performance in a completely natural way.

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	
<b>Storage</b>	Store in a cool, dry and well-ventilated place, away from any source of heat and direct exposure to sunlight.
<b>Shelf Life</b>	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.