



CELNY™ HPC Product Information: Nutraceuticals

Hydroxypropyl cellulose (HPC) is a high performance tablet binder and film forming agent widely used in the pharmaceutical and nutraceutical industry. CELNY™ brand is a high quality grade of HPC for food and nutraceutical use, manufactured in Japan by Nippon Soda Co., Ltd. ("Nisso"). CELNY is available in a wide range of viscosities, including Special Low viscosity grades, and various particle sizes to suit your application needs.

CELNY		SSL	SL	L	M	H
Viscosity (mPa·s @ 20°C/2%aq)		2.0 ~ 2.9	3.0 ~ 5.9	6.0 ~ 10.0	150 ~ 400	1,000 ~ 4,000
Molecular Weight (GPC method)		40,000	100,000	140,000	620,000	910,000
Availability	Regular Powder (40 mesh) D ₅₀ : 80-190µm	✓	✓	✓	✓	✓
	Fine Powder (100 mesh) D ₅₀ : 80-110µm		✓	✓	✓	✓
	Super Fine Powder (330 mesh) D ₅₀ : 20µm	✓				
Application	Film Coating	—————				
	Binding	—————				
	Modified Release				—————	

Typical CELNY Nutraceuticals Applications:

Application	Wet Granulation		Aqueous Film Coating	Dry Granulation/ Roller Compaction	Direct Compression/ Orally Dissolvable Tablet
	CELNY-L	CELNY-SL	CELNY-SL	CELNY-SSL Super Fine Powder	CELNY-SSL Super Fine Powder
Attributes	<ul style="list-style-type: none"> The standard for high performance wet binding Gives strong tablets with low friability and good disintegration times 	<ul style="list-style-type: none"> Special Low viscosity Easy spraying, handling and clean up Concentration of binder solution can be increased for faster granulations Faster tablet disintegration and active release than Celny-L 	<ul style="list-style-type: none"> Water soluble polymer Adds flexibility, elongation and adhesion strength to hypromellose coatings Low viscosity grades allow higher solids load for faster coating 	<ul style="list-style-type: none"> Super Special Low viscosity Super Fine Powder Highest compressibility Low usage amount 	<ul style="list-style-type: none"> Super Special Low viscosity Super Fine Powder Highest compressibility Low usage amount Makes your tablet hardness soar Fast disintegration and active release Anti-capping
Key Points	<ul style="list-style-type: none"> Achieves excellent balance of tablet properties 	<ul style="list-style-type: none"> Makes wet granulations easier Makes tablets disintegrate faster 	<ul style="list-style-type: none"> Improves coating performance 	<ul style="list-style-type: none"> Converts wet granulations to dry granulations 	<ul style="list-style-type: none"> Solves your most difficult formulation problems

Additional Information:

Food use approved: 21CFR 172.870 (U.S. FDA), E463 (Europe), I902603 (Japan)

Food Chemical Codex (FCC) and Japan Food Ingredients (JF) compliant

Manufactured by:

Nippon Soda Co., Ltd., Nihongi Plant
950 Fujisawa, Niigata Prefecture Japan

Packaging is 10kg box, double PE liner

Expiration is 5 years from date of manufacture



CELNY™

hydroxypropyl cellulose
for nutraceutical & food use



Non GMO



Gluten Free



Dairy Free



Kosher

www.nissoexcipients.com

NIPPON SODA CO., LTD.

Document No: CELNY CDS-02

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