

Excipients

NISSO HPC

Hydroxypropyl Cellulose

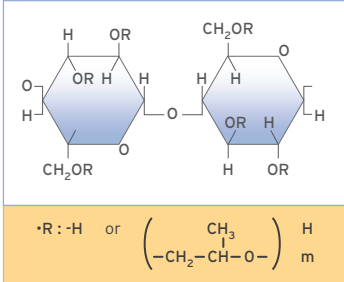
USP/NF, EP, JP

TECHNICAL DATA SHEET

Nisso HPC Grades Availability, Manufacturing Methods, and Applications

NISSO HPC		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)	✓	✓	✓	✓	✓
	Fine Powder (100 mesh)		✓	✓	✓	✓
	Super Fine Powder (330 mesh)	✓				
Manufacturing Methods	Regular Powder (40 mesh) d ₅₀ = 160 microns	Fluidized Bed Granulation High Speed Mixer (as wet binder) Hot Melt Extrusion Nanosuspensions			High Speed Mixer (as dry binder)	
	Fine Powder (100 mesh) d ₅₀ = 94 microns		High Speed Mixer (as dry binder)		Direct Compression	
	Super Fine Powder (330 mesh) d ₅₀ = 20 microns	Direct Compression Roller Compaction				
Applications	Regular Powder (40 mesh)	General Tablets OD Tablets & Films Film Coatings & Drug Layering			Controlled Released Tablets	
	Fine Powder (100 mesh)		General Tablets			
	Super Fine Powder (330 mesh)	General Tablets ODT				

Additional Information

<p>Chemical Structure, CAS No.</p>	<p>Hydroxypropyl Cellulose (cellulose, 2-hydroxypropyl ether)</p>  <p>CAS No. 9004-64-2</p>
<p>Safety</p>	<p>Hazardous Identification, First Aid Measures and Fire Fighting Measures: See MSDS Accidental Release Measures: Sweep up, place in containers and hold for waste disposal Stability/Reactivity: - Flash Point: Not Applicable - Powder Explosiveness: 65g/m³ (regular powder); 50g/m³ (fine powder, super fine powder) (lower limit) - HPC is chemically stable but must be kept away from strong oxidizing agents</p>
<p>Compendial Status</p>	<p>USP/NF, EP, JP compliant; Food use approved 21 CFR 172.870, E463</p>
<p>Additives</p>	<p>Nisso HPC contains no silica or other additives</p>
<p>Expiration</p>	<p>Expiration date is five (5) years from date of manufacture</p>
<p>Packaging</p>	<p>10 kg box, double lined PE bag</p>
<p>Site of Manufacture</p>	<p>Nippon Soda Co., Ltd. Nihongi Plant 950 Fujisawa, Joetsu City Niigata Prefecture, JAPAN</p>



Notice

The information described in this sheet is believed to be accurate and is presented in good faith with no guarantee or obligation as to accuracy and no assumption of liability. Users should make their own tests to determine the suitability of products for their own particular use. NISSO makes no warranty of any kind, express or implied, including those of merchantability and fitness for particular purpose other than the material conforms to its applicable current standard specifications.

www.nissoexcipients.com

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