

Dispersible Cellulose Navigator

VIVAPUR® MCG is a synergistic, co-processed composite consisting of microcrystalline cellulose (MCC), sodium carboxymethylcellulose (Na-CMC) and/or xanthan gum. **VIVAPUR® MCG** is a free flowing powder. After activation in water, it forms a shear-thinning and thixotropic dispersion.

VIVAPUR® MCG is used as suspending agent, emulsifier, opacifier and thickener for oral suspensions, veterinary drenches, sprays (nasal, oral or topical sprays), reconstitutable powders, creams, gels and lotions.

Grade	VIVAPUR® MCG					
	581 P	591 P	611 P	811 P	500 F	900X F
Application						
Sprays	••	•••	•••	••••	•	••
Reconstitutable Powders	–	••	••••	••	–	–
Oral Suspensions	••	••	•	•••	•••	••••
Special Remarks	Established standard grade	Established standard grade	Recommended for reconstitutable powders	Next generation of MCC-Na-CMC composite. Higher performance compared to 581 and 591 grades enables cost savings	Recommended for high-salt and low pH applications such as mineral supplements	Highly effective and robust stabilizer for nutraceutical ready to use suspensions
Performance						
Initial Viscosity [cps]	72 – 168 (1.2 %)	39 – 91 (1.2 %)	50 – 118 (2.6 %)	2400 – 5600 (2.6 %)	1500 – 4500 (2.6 %)	720 – 1680 (1.2 %)
pH Stability	4 – 10	4 – 10	3.7 – 10	4 – 10	2 – 10	2 – 10
Salt Tolerance	•	•	••	•	••••	•••
Particle Size:						
> 500 µm (35 mesh)	–	–	–	–	–	–
> 250 µm (60 mesh)	max. 0.1 %	max. 0.1 %	max. 0.1 %	max. 3 %	max. 3 %	max. 5 %
> 75 µm (200 mesh)	max. 35 %	–	–	–	–	–
> 45 µm (325 mesh)	–	max. 45 %	max. 50 %	–	–	–
> 32 µm (469 mesh)	–	–	–	–	–	min. 50 %
Composition						
Na-CMC [%]	8.3 – 13.8	8.3 – 13.8	11.3 – 18.3	11.3 – 18.3	–	3.8 – 6.4
Xanthan [%]	–	–	–	–	12 – 20	14.6 – 24.4
MCC [%]	86 – 92	86 – 92	82 – 89	82 – 89	80 – 88	69 – 82
Regulation						
NF/Ph. Eur.	✓	✓	✓	✓	–	–
Food Grade	–	also available as food grade (E460(i) & E466)			✓	✓
GMO-free	✓	✓	✓	✓	✓	✓

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