

Product Information

Pharmaceutical Requirements for Akucell®

To whom it may concern

Sodium carboxymethylcellulose (CMC), with the trade name Akucell®, is produced by Akzo Nobel in the Netherlands.

Akucell® grades meet the purity criteria as set forth by the European Pharmacopoeia, EP, 4th edition, and by the United States Pharmacopoeia, USP 26 – NF21.

Table 1: Overview of requirements as set forth by USP and EP.

Requirements	USP 26 – NF21	EP 4th edition	Akucell® Typical specifications
Assay	--	--	min. 99.5 %
Degree of Substitution	--	--	0.80 – 0.95
pH of 1% solution	6.5 – 8.5	6.0 – 8.0	6.5 – 8.5
Sodium	6.5% - 9.5%	6.5%– 10.8%	8.0% - 9.5%
Sodium glycolate Chlorides	--	max. 0.4%	max. 0.4%
Loss on Drying	--	max. 0.25%	max. 0.15%
Heavy Metals	max. 10%	max. 10%	max. 8%
Lead	max. 0.002%	max. 0.002%	max. 0.001%
	--	--	max. 3 mg/kg

Yours sincerely,

Akzo Nobel Chemicals AG
Performance Additives