

Product Description - Battery Grade CMC

Description:

CMC is short for carboxymethyl cellulose sodium, which is an anionic cellulose derivative with cellulose as the main raw material. CMC can be dissolved in cold water and hot water, and the aqueous solution is a colorless and transparent viscous liquid. In battery manufacturing, sodium carboxymethyl cellulose is widely used as a cathode material adhesive at home and abroad.



Scope of application:

- Improve the stability and fluidity of non-water-soluble materials in solution, and play a dispersion role on the negative electrode active materials and conductive agents;
- Binding of the protective active substance; Prevent the precipitation of active substances;
- Stabilize the processing performance of the electrode, and improve the battery charge and discharge performance.

Physical and chemical indexes (analytical methods are available, according to GB1886.232-2016) :

CMC Parameters

Type	FR500(BVH3000)	FR2200(BVH2000)	FR1390(BVH1300)	BVH300	BVH5000
DS	0.6-0.9	0.7-1.0	1.0-1.5	0.7-1.0	0.7-1.0
pH	6.5-8.0	6.5-8.0	6.5-8.0	6.5-8.0	6.5-8.0
NaCl(%)	6.0-10.0	7.0-11.0	10.0-16.0	7.0-11.0	7.0-11.0
1% Viscosity	3000-5000	1000-3000	2500-5000	300-500	5000-7000
Purity	≥99.5%	≥99.5%	≥99.5%	≥99.5%	≥99.5%
Moisture	≤8.0%	≤8.0%	≤8.0%	≤8.0%	≤8.0%
Sodium Chloride+ Sodium Glycolate	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%
Sieve Residue (120 mesh)	≤5%	≤5%	≤5%	≤5%	≤5%
Heavy Metals					
Pb	≤15ppm	≤15ppm	≤15ppm	≤15ppm	≤15ppm
Fe	≤30ppm	≤30ppm	≤30ppm	≤30ppm	≤30ppm
AS	≤2ppm	≤2ppm	≤2ppm	≤2ppm	≤2ppm