

## Sodium Carboxymethyl Cellulose

### Lithium-Ion Battery Grade

Sodium Carboxymethyl Cellulose as major bond of anode material in waterborne system has been widely used in battery industry both home and in abroad. The perfect quantity of bond can achieve some advantages like lager call capacity, much cycle life and low inner resistance. With regard to this our company has effectively improved the manufacturing technique of Sodium Carboxymethyl Cellulose upon special performance and product requirements thus develop battery grade Sodium Carboxymethyl Cellulose.

#### Specification

BH-3000	
Item	Standard
Physical Form	White powder
Viscosity, mPa.s (1% Soln.) wet sample	3000-3500
Degree of Substitution (D.S)	Min 0.90
Moisture, %	8.0 max
Purity, %	99.5 min
pH Value	6.5-8.5
Particle Size	95% through 100 mesh
Microgel(2cm x 2cm)	5max
NaCl	0.5 max
Test method: Viscosity measured on basis of 1% water solution, at 25Deg C, Brookfield Viscometer LVTD Type, #4spindle, 30rpm.	

## Battery Grade product features

- 1.Excellent hydrophilicity and solubility, it can be completely dissolved in water without free fibers and foreign materials.
- 2.Good uniformity of substitution, stable viscosity and high adhesive force.
- 3.High purity and low metal content.
- 4.Good compatibility, it can be mixed with various materials like SBR Latex.

## CMC'S function as battery bond:

- 1.Agglomerate and protect active substance.
- 2.Stabilize the structure of pole shoe.
- 3.Prevent precipitation of active substance.
- 4.Improve charge-discharge performance.