

SPECIFICATION OF SODIUM CARBOXYMETHYL CELLULOSE

Commodity Name: Sodium Carboxymethyl Cellulose

CAS No.: 【9004-32-4】

Synonyms: Carboxymethyl Cellulose, CMC, Sodium CMC, Na-CMC, Cellulose Gum.

HS Code: 39123100

Application: Ceramic Industry

Description:

SINOGL[®] and **SINOBD[®]** are good agent used in Ceramic glaze and Ceramic body.

SINOGL[®] can make the glaze smoothly and improve the quality of glazed surface through its bonding, water-retaining, suspending performance.

SINOBD[®] can enhance the clay materials plasticity, improve the body shape, multiply green-pressing strength, reduce the breakage greatly. As an efficient body enhancer, it is no residue after burning, no side effects, and added less quantity compared with other enhancers.

1.CMC for Ceramic Glaze application

| Product Type | Appearance | Viscosity of 2% solution, mPa.s(25℃, Brookfield) | Degree of Substitution (D.S) | Purity, % | pH, (25℃, 1% solution) | Loss on drying (H ₂ O), % |
|--------------|----------------------------------|--|------------------------------|-----------|------------------------|--------------------------------------|
| SINOGL-1 | Cream powder or granule | 10-30 | 0.9-0.95 | ≥98 | 6.0-8.5 | ≤10.0 |
| SINOGL-3 | | 30-50 | 0.9-0.95 | ≥98 | | |
| SINOGL-5 | White to cream powder | 50-200 | 0.8-0.9 | ≥98 | | |
| SINOGL-20 | | 200-500 | 0.8-0.9 | ≥98 | | |
| SINOGL-50 | | 500-1000 | 0.9-0.95 | ≥98 | | |
| SINOGL-100 | | 1000-2000 | 0.8-0.9 | ≥98 | | |
| SINOGL-200 | | 2000-3000 | 0.8-0.9 | ≥98 | | |
| SINOGL-300 | | 300-500 * | 0.9-0.95 | ≥99 | | |
| SINOGL-2 | 20-50 | 0.7-0.9 | ≥85 | 8.0-11.0 | | |
| SINOGL-85 | 1000-3000 | 0.7-0.9 | ≥85 | | | |
| SINOGL-8 | 8-12 * | 0.85-0.95 | ≥75 | | | |
| Remark | * indicate 1% solution viscosity | | | | | |

2.CMC for Ceramic Body application

| Product Type | Appearance | Viscosity of 1% solution, mPa.s(25°C, Brookfield) | Degree of Substitution (D.S) | Purity, % | pH, (25°C, 1% solution) | Loss on drying (H ₂ O), % |
|--------------|-----------------------|---|------------------------------|-----------|-------------------------|--------------------------------------|
| SINOBD-5 | White to cream powder | 5.0-40 | 0.5-0.7 | ≥55 | 8.0-11.0 | ≤10.0 |
| SINOBD-10 | | 10-20 | 0.5-0.7 | ≥62 | | |
| SINOBD-20 | | 20-150 | 0.5-0.7 | ≥70 | | |
| SINOBD-150 | | 150-450 | 0.5-0.7 | ≥72 | | |
| SINOBD-450 | | 450-800 | ≥0.7 | ≥75 | | |
| SINOBD-800 | | 800-1200 | ≥0.7 | ≥80 | | |

Packing and Storage:

Packing: 25kg kraft paper bag with PE inner, or other packing as clients request.

Storage:

- 1.Store in a cool, dry, clean, ventilated environment.Temperature Max. 40°C, with a relative humidity ≤80%.
- 2.The product for pharmaceutical and food grade should not be put together with toxic substance and harmful substance or substance with peculiar smell during transportation and storage.
3. Since the date of production, a preservation period should not exceed 4 years for the industrial product and 2 year for the product for pharmaceutical and food grade.
4. The products should be prevented from water and package bag damaging during transportation.