

# TECHNICAL DATA SHEET

## JF CALCIUM LIGNOSULFONATE POWDER

### 1. PRODUCT NAME:

JF CALCIUM LIGNOSULPHONATE POWDER CF-2

(Synonyms: Calcium Lignosulphonate, Lignosulfonic Acid Calcium Salt)

JF CALCIUM LIGNOSULPHONATE POWDER is a kind of natural anionic surface active agent processed with sulfurous acid pulping waste through advanced production technology. It can work well with other chemicals and produce early strength agent, slow setting agent, antifreeze and pumping agent.

### 2. TYPICAL PROPERTIES:

ITEMS	SPECIFICATIONS
Appearance	Free flowing brown powder
Solid content	≥93%
Lignosulfonate content	45% – 60%
pH	5.0 – 7.0
Water content	5%
Water insoluble matters	≤1.5%
Reducing sugar	3%
Calcium magnesium general quantity	≤1.0%

### 3. MAIN PERFORMANCES:

※ Fertilizer:

1.using Calcium lignosulfonate as foliar fertilizer synergist solve the organic chelating and antioxidant capacity of divalent iron , its solution is oxidized store growth period .

2. Increased the foliar surface activity and penetration , enhanced adhesion and rapid plant foliar absorption
3. Calcium lignosulfonate Fertilizer improves foliar fat and more nutrients to function, especially humic acids , amino acids, organic high calcium content of plant calcium supplement nutrients have a significant effect
- 4 .Calcium lignosulfonate Fertilizer , can increase nutrients and trace elements physiological activity and operating efficiency , due to the small molecular weight B -type products , and more active groups , and have a strong affinity chelating power and form a water-insoluble organic chelates , for operation with the absorption of nutrients have strong physiological functions and biological activity.

※Water reducing admixture for concrete: the mixing amount of the product is 0.25 to 0.3 percent of the weight of the cement, and it can reduce the water consumption by more than 10-14 percent, improve the workability of the concrete, and improve project quality. It can inhibit slump loss when used in simmer, and is usually compounded with superplasticizers.

※ Ceramic: When the calcium lignosulphonate is used for ceramic products, it reduces carbon content, improves green strength, reduces the consumption of plastic clay, has good slurry fluidity, improves the rate of finished products by 70 to 90 percent, and reduces the sintering speed to 40 minutes from 70 minutes.

※ Others: The calcium lignosulphonate can also be used for refining additives, casting, processing of pesticide wettable powder, briquette pressing, mining, ore dressing agents for ore dressing industry, the control of roads, soil and dust, tanning fillers for leathermaking, carbon black granulation and so on.

#### **4. SAFETY AND HANDLING PRECAUTIONS:**

JF CALCIUM LIGNOSULFONATE POWDER is a water soluble alkaline solution, direct and prolonged contact with eyes and skin may cause irritation. Wash the affected area of body with plenty of tap water immediately. If irritations persist for long time, please contact with doctor.

#### **5. PACKING, STORAGE & TRANSPORTATION:**

Package: Can be supplied in 25kg / 450kg bags. It can also be supplied in customer's required packing size with mutual discussion and agreements.

Storage: Is recommended to store at ambient temperature in closed condition and to be protected from direct sunlight and rain.

Transportation: Non-toxic, harmless, non-inflammable and non-explosive chemicals  
it can be transported in truck and train.

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