

# TECHNICAL DATA SHEET

## JF SODIUM LIGNOSULFONATE POWDER

### 1. PRODUCT NAME:

JF SODIUM LIGNOSULPHONATE POWDER (SF-1)

(Synonyms: Sodium Lignosulphonate, Lignosulfonic Acid Sodium Salt)

JF SODIUM LIGNOSULPHONATE POWDER is produced from straw and wood mix pulp black liquor through filtration, sulfonation, concentration and spray drying, and is a powdery low air-entrained set retarding and water reducing admixture, belongs to an anionic surface active substance, has absorption and dispersion effect on the cement, and can improve various physical properties of the concrete.

### 2. TYPICAL PROPERTIES:

ITEMS	SPECIFICATIONS
Appearance	Free flowing brown powder
Solid content	≥93%
Lignosulfonate content	45% – 60%
pH	9-10
Water content	≤5%
Water insoluble matters	≤4%
Reducing sugar	≤4%
Water reducing rate	≥9%

### 3. MAIN PERFORMANCES:

※ Can be applied as common water reducing admixture and built material of series multi-function high-performance water reducing admixtures.

※ Can be adopted as the adhesives in the briquetting procedure in the vertical retort zinc smelters.

- ※ Can be used as embryo reinforcing agents in the fields of pottery and porcelain and refractory materials. They can increase the fluidity of the slurry and thus to improve the strength of the embryo.
- ※ In the field of water-coal paste, the sodium lignosulfonate can be adopted as the main compound materials.
- ※ In agriculture, the sodium lignosulfonate can be applied as the dispersing agents of pesticides and pelleting adhesives of fertilizers and feedstuffs.
- ※ Others: The sodium lignosulphonate can also be used for refining additives, casting, 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 SODIUM 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.