

Calcium Lignosulfonate

AP Concrete Grade

Chemical Name: Calcium Lignosulfonate

Chemical formula: $C_{20}H_{24}CaO_{10}S_2$

Molecular weight: 528.61g/mol

Appearance

Light Yellow/Brown powder

Properties

Lignosulfonates are described as randomly-branched polyaromatic polyelectrolytes, which exhibit water-solubility and surfactant-like behavior. Hydrophilicity is imparted by the presence of anionic sulfonate groups, but also by anionic carboxylate groups and (at high pH) phenolic hydroxyl groups.

Usage

Calcium Lignosulphonate is a natural anionic surface active agent processed with sulphurous acid pulping waste through advanced production technology. It has a strong adhesion, chelation, dispersion effect.

Packing

Packed in 25kg bags

Typical Properties

Solid Content	≧ 94 %	Insoluble Matter	≧ 1.5 %
pH Value	5-7	Calcium Magnesium General Quality	≧ 1.0 %
Lignosulphonate	≧ 55 %	Total reducing matter	≧ 12 %
Inorganic salts	≧ 5.0 %	Moisture	≧ 6.0 %