

Sodium Lignosulfonate

AP Concrete Grade

Chemical Name: Sodium Lignosulfonate

Chemical formula: $C_{20}H_{24}Na_2O_{10}S_2$

Molecular weight: 534.51g/mol

Appearance

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

Sodium Lignosulfonate has outstanding dispersing properties and is widely used in ready mix concrete. The process involves dispersing small amounts of lignosulphonate with the agglomerates of cement particles.

Packing

Packed in 25kg bags, 550kg bags

Typical Properties

Grade APM-M2

Solid Content	≧ 95 %
pH Value	9 - 11
Lignosulphonate	≧ 50 %
Total Reducing Matter	≧ 8.0 %
Water Insoluble Matter	≧ 1%
Calcium Magnesium General Quality	≧ 1.0%
Lignin Source	Wood Pulp