Sodium Lignosulfonate — Plus Grade

Enhanced-performance lignosulfonate for construction, ceramics and industrial binder applications

GAC-NaLS-PLUS | Construction | Ceramics | Enhanced Grade

PRODUCT DESCRIPTION

Sodium Lignosulfonate (Sodium Lignosulphonate) is a naturally derived anionic surfactant produced by the sulfonation of lignin, a natural polymer recovered from the wood pulping process. Rich in sulfonic and carboxylic functional groups, it offers strong water solubility, surface activity and dispersion capacity. Plus Grade offers an elevated lignosulphonate content for enhanced water-reducing and dispersing performance across construction, ceramics, mineral processing, chemical, textile/leather, metallurgical, petroleum and rubber industries, as well as animal feed applications.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

PARAMETER	TYPICAL VALUE
Appearance	**Yellow-brown powder**
pH Value	**8.0 – 10.5**
Dry Matter	**95% min**
Water-insoluble Matter	**1% max**
Water Reducing Capacity	**8% min**
Sulphate (SO4 2-)	**2% max**
Calcium & Magnesium	**0.5% max**
Lignosulphonate Content	**65% min (dry basis)**
Reducing Sugar	**7% max**
Moisture	**5% max**
Ash	**around 14%**

Values represent typical production results and are provided for reference only; they do not constitute a binding product specification. Please refer to the Certificate of Analysis (COA) accompanying each shipment for batch-specific results.

APPLICATIONS

- Plasticizer / water reducer in concrete and cement production, acting as a grinding aid and raw-mix slurry deflocculant
- Binder and filler in ceramic tiles, fiberboard resins, foundry casting sand and fodder pellets
- Dust-suppression agent for unpaved roads and dusty industrial processes
- Dispersant for agrochemical formulations (pesticides, dyes), carbon black, and other insoluble solids
- Viscosity reducer / thinner in oil-well drilling mud formulations
- Water-reducing additive in plasterboard (gypsum board) manufacturing
- Binder for powdered and granular materials — iron ore fines, coal, coke, and pelletized feed
- Active material in lead-acid battery plates, improving crystallization of lead sulphate for extended battery life

PACKAGING, HANDLING & STORAGE

Packaging	**20 kg or 25 kg woven bags with liner, or per customer requirement; 500 kg or 600 kg jumbo bag (FIBC) available**
Custom Packaging	**Available according to customer requirement**
Storage	**Store in a cool, dry, well-ventilated area**
Shelf Life	**24 months from production date in original unopened packaging**
Handling	**Avoid prolonged exposure to moisture; reseal opened bags**