Ammonium Lignosulfonate — Industrial Grade

Low-lead-gas retarding superplasticizer for concrete, cement and industrial applications

GAC-NHLS-Industrial | Construction | Superplasticizer | Dispersant

PRODUCT DESCRIPTION

Ammonium Lignosulfonate is a byproduct of the sulfite pulping process, supplied as a water-soluble anionic surfactant. Industrial Grade functions as a low air-entraining retarding water reducer, improving the adsorption and dispersion behavior of cement and concrete, and can be compounded with early-strength agents, retarders, antifreeze and pumping agents, or naphthalene-series superplasticizers with minimal precipitation.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

PARAMETER	TYPICAL VALUE
Appearance	**Yellow-brown powder**
Dry Matter	**95% min**
Water-insoluble Matter	**0.5% max**
Water Reducing Capacity	**8% min**
Sulphate	**2% max**
Lignosulphonate Content	**55% min (dry basis)**
Reducing Sugar	**7% max**
Moisture	**5% max**

> 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 in concrete production — improves flow and workability while reducing water demand
- Grinding aid in cement milling and raw-mix slurry deflocculant, lowering slurry viscosity
- Active material in lead-acid battery negative plates, improving crystallization of lead sulphate for extended battery life
- Binder and filler in ceramic tiles, fiberboard resins, and foundry casting sand
- 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, allowing lower kiln drying temperatures
- Binder for powdered and granular materials — iron ore fines, coal, coke, and pelletized feed

PACKAGING, HANDLING & STORAGE

Packaging	**25 kg woven bags with polyethylene liner; 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**