

POTASSIUM LIGNOSULFONATE

Product Code: GAC-KLS | Feed Processing Aid / Binder / Carrier Support | TDS

DIVISION	FORM	DRY MATTER	ISSUE
Animal Nutrition	Yellow-brown powder	95.0% min	May 2026

Product Description

Bio-based lignosulfonate powder for feed processing, pellet quality and practical formulation support.

Potassium Lignosulfonate is a water-soluble, bio-based anionic polymer and surfactant derived from lignin. This potassium-enriched grade is designed for use where pellet binding, dispersion, carrier performance, granulation support and stable handling are required. Within the LigninChina product system, it can support feed mills, premix manufacturers and distributors seeking practical, export-ready lignosulfonate materials for animal feed processing applications.

Pellet Quality Helps improve pellet cohesion, reduce fines and support stable processing.	Carrier & Premix Supports blending, granulation and handling in premix or additive systems.	Aqua Feed Support Can help improve pellet durability and reduce nutrient loss in water.
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Main Specifications

Parameter	Typical Value	Parameter	Typical Value
Product Code	GAC-KLS	Lignosulfonate Content	55.0% min
Appearance	Yellow-brown powder	Sulfate Content	2.0% min
pH Value (10% aqueous solution)	4.0 - 7.0	Total Reducing Matter	7.0% min
Dry Matter	95.0% min	Moisture Content	5.0% max
Water-Insoluble Matter	1.0% max	Bulk Density	0.532 g/cm3
Potassium Oxide (K2O)	8.0% min		

Note: Values are typical product specifications and may be adjusted according to final customer requirements, application requirements or contractual agreement.

Key Applications & Benefits

Designed for feed mills, premix companies, distributors and global animal nutrition supply channels.

Feed Pellet Binder Supports stronger pellet structure, improved pellet durability, reduced fines and better handling during packing, transport and storage.	Feed Processing & Dust Control Helps reduce dust generation in powder or granular feed systems and supports cleaner, more stable production flow.
Premix Carrier & Formulation Support Works as a practical carrier and dispersing aid for premix materials, mineral systems and functional feed additive formulations.	Aquaculture Feed Support Can support pellet integrity and water stability in shrimp and fish feed applications, helping reduce material loss in water.
Organic Carbon & Functional Support Provides lignin-derived organic carbon and functional groups that can support formulation compatibility and processing efficiency.	Additional Agriculture / Fertilizer Use Can also be used as a potassium-enriched soil conditioner, fertilizer synergist, foliar spray additive or industrial lignosulfonate where required.

Use Guidance

- Recommended inclusion level should be determined by the customer according to feed type, species, pellet mill conditions, target pellet durability and local regulatory requirements.
- Before commercial use, conduct small-batch compatibility and performance tests with the complete feed formulation, especially when used with enzymes, probiotics, minerals or sensitive additives.
- This product is a feed processing / formulation support material. It is not intended to diagnose, treat, cure or prevent animal disease.

Packaging, Storage & Handling

Packaging	Storage & Handling
• 25 kg woven bags / kraft bags with inner liner. • Jumbo bags or customized export packaging available upon request. • Packaging can be adjusted according to customer requirements.	• Store in a dry, cool and well-ventilated area. • Keep away from moisture, direct sunlight and incompatible materials. • Close bags after use and avoid dust generation during handling.

Quality & Supply Support

Aligned with LigninChina feed additive supply positioning: consistent quality, fast response and reliable export service.

Consistent Quality	Fast Response	Reliable Supply
Batch-to-batch specification control and practical COA support for export customers.	Quotation, sample coordination and technical document support for feed buyers.	Export-ready packaging, stable delivery planning and long-term cooperation support.

Need Feed Additives or Technical Support?

Tell us your species, application, quantity and destination port. Our team will recommend suitable grades and provide quotation support.

Disclaimer: The information in this Technical Data Sheet is provided for reference only. Final product suitability should be verified by the customer under actual conditions of use. Specifications, packaging and product recommendations may be updated without prior notice unless confirmed by contract.