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Feed Grade Millets Specification Sheet

1. Physical Characteristics

Parameter	Specification
Appearance	Uniform grains, free from mold or fermentation
Color	Characteristic of variety (e.g., yellowish-grey for Pearl Millet)
Odor	Fresh, no musty or sour smell
Purity	Min. 98% (Cleaned)
Damaged/Discolored	Max. 2%
Infestation	Free from live weevils or pests

2. Chemical & Nutritional Composition

Component	Range / Limit Max. 12.0% –
Moisture	13.5% Min. 10.0% – 12.0%
Crude Protein	Min. 3.5% – 5.0% Max. 3.0%
Crude Fat (Ether Extract)	– 7.0% Max. 2.0% – 3.5%
Crude Fiber	Approx. 2,900 – 3,200 kcal/kg
Total Ash	Max. 20 ppb
Metabolizable Energy (Poultry)	
Aflatoxin (B1, B2, G1, G2)	

3. Foreign Matter & Impurities

Parameter	Limit
Inorganic Matter (Sand/Silica)	Max. 1.0%
Other Edible Grains	Max. 2.0%
Shrivelled/Immature Grains	Max. 3.0%

4. Packaging & Storage Recommendations

Packaging: Typically packed in 50kg PP bags or bulk containers. Storage: Cool, dry, ventilated warehouse; avoid sunlight and moisture. Shelf Life: 12 months from harvest under optimal conditions.

5. Usage in Feed Formulations

Poultry: Can replace 50%–100% of maize depending on bird age and millet type. Cattle/Dairy: High energy content supports improved milk fat percentage. Swine: Highly digestible energy source; usually ground for better absorption.

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