



NATIONAL LISTING OF APPROVED FEED INGREDIENTS FOR FEEDMILLS IN NIGERIA



NIAS/RA/LAFI-2025

CLASS	INGREDIENTS	Moisture%(max)	Crude Protein%(min)	Energy ME(Kcal/Kg)(min)	Ether Extract(Oil)%(max)	Crude Fiber %(max)	Lysine %(min)	Methionine %(min)	Threonine %(min)	Tryptophan %(min)	Calcium %(total)	Phosphorus %(Available)	REMARK
ENERGY	Maize (White)	12	8	3200	4	3	0.24	0.15	0.28	0.06	0.02	0.27	
SOURCES	Maize (Yellow)	12	7.5	3200	4	3	0.25	0.15	0.32	0.06	0.02	0.27	
	Guinea Corn (White)	10	8	3100	3	5	0.21	0.16		0.1	0.04	0.32	
	Guinea Corn (Yellow)	10	8	3100	3	5	0.21	0.16		0.1	0.04	0.32	
	Millet	12	11	2700	4	8	0.4	0.18			0.02	0.1	
	Whole soft Wheat	12	12	3000	2	3	0.31	0.19	0.32	0.13	0.05	0.4	
	Wheat Flour	12	11	3000	1.5	1	0.26	0.18	0.3	0.12	-	-	
	Cassava Chips/Flour	11	2.5	3000	0.5	3.5	0.07	0.02			0.2	0.03	
	Tapiocal/Cassava pulp		2.5				0.1	0.03		0.02			
	Cassava Grits (Unpeeled)	12	5	2800	0.5	5	0.07	0.03			0.2	0.03	
	Cassava Starch	10	2	2800	1	2							
	Dried Cassava Peel meal	11	2	3000	1.5	7	0.1	0.04	0.08	0.22	0.04		
	HQCP™ (Coarse)	9.66	4.8	2058.88	3.3	10.2	0.08	0.06	0.09	0	0.12		
	HQCP™ (Fine)	8.63	4.9	2170	2.38	7.5	0.15	0.15	-0.02		0.04		
	HQCP™ Whole	9	6	2216	2	8	0.16	0.04	0.08	0.01			
	Refined Soya Oil	1	-	8200	97	-	-	-	-	-	-	-	
	Fish Oil	1	-	7800	97	-	-	-	-	-	-	-	
	Crude soya oil	-	-	8370	-	-	-	-	-	-	-	-	Peroxide value = 21.38Meq/per oxide/kg
	Palm Oil	-	-	7710	-	-	-	-	-	-	-	-	Peroxide value = 8.35 Meq/peroxide/kg
	Molasses	30	3	2343	0.1	-	-	-			0.8	0.08	

PLANT SOURCE													
	*Groundnut Cake	10	38	2400	6	9	1.14	0.38	0.93	0.34	0.2	0.2	
	**Groundnut Meal	10	40	2340	4	8	1.2	0.4	0.1	0.42	0.2	0.2	
	Soya bean meal (Full fat)	10	38	3060	18	8	2.37	0.52	1.5	0.5			

	Soya bean Meal	10	45	2500	4	7	2.8	0.6	1.76	0.61	0.2	0.6	*Sol. KOH between 75-85%, Urease Index (0.05-0.2 pH)
	***Soya bean Cake	10	40	2700	10	8	2.5	0.55	1.56	0.54	0.2	0.6	

* Groundnut Cake: Please note that this is mechanically pressed without shells

**Groundnut Meal: Please note that this is solvent extracted without shells

*** Soyabean bean Meal and cake : please note that this must be cooked.

****Potassium Hydroxide solubility (KOH),

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PROTEIN CONTD	***Full fat Soya (Extruded)	8	36	3000	15	5.5	2.25	0.49			0.2	0.5	
	***Full Fat Soya	8	35	3100	15	5.5	2.25	0.49			0.2	0.5	
	***Full Fat Soya	10	35	3100	15	5.5	2.25	0.49			0.2	0.5	
	Brewers' Yeast	7	30	2420	1	3	3.4	0.7			0.1	0.46	
	Cottonseed Meal (Delinted, Decorticated and Solvent Extract)	9	35	2146	2	10	1.15	0.4			0.25	0.3	
	Cotton Seed Cake (Mechanically pressed)	9	25	2146	5	25	1	0.3	3.13	1.04	0.15	1.1	
	Roselle Seed Cake (Zobo)	12	26	2500	6	17	1.6	0.45			0.45		
	Sunflower Cake	10	45.4	2320	2.9	12.2	1	0.5			0.37	0.16	
	Corn Gluten	10	60	3500	5	2.5	1	1.5	0.3		0.02	0.18	
	Wheat Gluten	10	75	3852	6	-	1.39	1.3			-	-	
ANIMAL SOURCE PROTEIN													
	Fishmeal (72%)	8	72	2900	9	1	4.8	1.5	0.6		6	3	
	Fishmeal (65%)	8	65	2860	7	1	4.5	1.5	0.6		8	5	
	Local Fish Meal	8	45	2700	7	2	3.3	1.1	0.4		10	7	
	Blood Meal (Spray-dried)**	8	90	2900	1	1	7.5	1.1	1		0.28	0.22	

*Please note that Fish meal analogue expiration date must be specified (Animal source not exceeding 9 months and 18months for plant source) from date of date of production

Please note that Blood Meal is for Fish Feed only*full fat soya : please note that this must be normal cooked.

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PROTEIN CONTD	Hydrolysed Feather Meal	10	80	2460	7	2	1.74	0.54	3.69	0.53	0.35	0.25	
	Poultry Meal	10	62.00	3160	13	1	3.8	1.75	2.34	0.72	4.1	2.42	

AGRO	Maize Offal	9	11	2500	3	12	0.4	0.18	0.36	0.07	0.01	0.09	
INDUSTRIAL	Sorghum Offal	9	9	2700	5	6	0.25	0.18			0.01	0.09	
BY- PRODUCTS	Wheat Offal	11	13	1650	2	8.5	0.51	0.2	0.5	0.21	0.1	0.3	
	Palm Kernel Meal	10	15	2175	3	15	0.64	0.39			0.21	0.16	
	Palm Kernel Cake	10	14	2450	7.5	15	0.64	0.39			0.21	0.16	
	Full fat Rice Bran	10	10	2300	20	17	0.4	0.24	0.37	0.1	0.04	0.46	
	Rice Husk	10	3	1200	1	28	-	-		-	-	-	
	Rice Offal (parboiled)	10	3.5	1200	3	36	0.2	0.07			0.16		
	Rice Offal (Un-parboiled)	10	5.5	1300	3.5	30	0.2	0.07			0.15		
	Brewers Dried grains	10	18	2000	5	15	1.24	0.4	0.81	0.21	0.2	0.16	
	Corn Cobs	8	2.3	528	0.4	35	-	-			0.11	-	
	Cassava sifting	13	2	2900	1	20	0.17	0.01	0.14	0.04	-	-	
	Deoiled Cotton Seed cake	4	23	0	4.2	6.2	4.5	1.25	3.13	1.04			
	Cocoa shell	12.00	15.00	1870.00	5.00	20.00	0.69	0.14	0.56	0.18	0.34	0.4	

****Please note that the Deoiled Cotton Seed cake was by Solvent extraction.**

CLASS	INGREDIENTS	Moisture%(max)	Crude Protein%(min)	Lysine %(min)	Methionine % Valine %(min)	Calcium % (total)	Phosphorus %(Available)	REMARK
MICRO	L Lysine			94				
INGREDIENTS	Lysine HCL	1	95	78				
	Lysine SO ₄	1	55	54.5				
	Liquid lysine		50	50				
	Methionine	1			100			

	L-Methionine				100			
	DL-Methionine		58.1		99			
	Liquid Methionine	12			88			
	Methionine Hydroxyl Analogue (MHA)	1	39		84			12
	Threonine	1	73.5					
	Tryptophan	1				98.5		
	Isoleucine	1	66.75					
	Valine	1	74.75				98	

CLASS	INGREDIENTS	Moisture%(max)	Calcium % (total)	Phosphorus % (Available)	REMARK
MACRO	Bone Meal		35	15	
	Oyster Shell		35		
	Periwinkle Shell		32		
	Limestone		35		
	***Dicalcium Phosphate(DCP)		22	18	
	***Monocalcium phosphate		18	20	
	Salt(NaCl)	5			98.5% (min) Purity

***Manufacturers to provide a brief write-up on process of production stating difference from rock phosphate and Importers of Phosphate requires clearance from

VITAMINS AND MICRO-MINERALS					
	SOURCE	POTENCY (MIN)			
VITAMINS			Choline	Choline Chloride	50% - 70%
				Liquid choline	60%-75%
Vitamin A	Vitamin A 500	500,000 IU/g		Silica carrier	50%
	Vitamin A 1000	1000000 IU/g		Comcob carrier	60.00%
	Vitamin AD ₃ 500/100	500,000 IU/g of Vit A; 100,000 IU/g of VitD ₃	Iodine	Potassium iodate	59%, 68%
				Calcium iodate	62%

	Vitamin AD ₃ 1000/200	1,000,000 IU/g of Vit A; 200,000 IU/g of VitD ₃
Vitamin D	Vitamin D ₃	500,000 IU/g
	Vitamin AD ₃	500,000 IU/g of Vit A; 100,000 IU/g of VitD ₃
	Vitamin AD ₃	1,000,000 IU/g of Vit A; 200,000 IU/g of VitD ₃
Vitamin E	Vitamin E 50	500 IU/g
Vitamin K	Vitamin K ₃	44%
Vitamin B ₂ (Riboflavin)	Vitamin B ₂	80%

Copper	Copper Sulphate*****	25%	
	Organic Copper*****		
Manganese	Manganese Oxide	57%	
	Manganese Sulphate	31%	
	Organic Manganese**		
Zinc	Zinc Oxide	72%	
	Zinc Sulphate	35%	
	Organic Zinc***		
Iron	Ferrous Carbonate	36%	
	Ferrous Sulphate	30%	

Vitamin B ₁₂	Vitamin B ₁₂	1%
Vitamin B ₆ Pyridoxine HCl	Vitamin B ₆	100%
Niacin (Vit. B ₃)	Niacin (Vit. B ₃)	99.50%
	Nicotinamide	100%
Folic Acid	Folic Acid	45%
		80%
Pantothenic Acid	Calcium Pantothenate	80%
		98%
Biotin	Biotin	2% & 10%
Thiamine (Vit B ₁)	Thiamine	98%
Vitamin C	Ascorbic Acid (Aqua)	35%
	Ascorbic Acid (Coated)	98- 100

Selenium	Sodium Selenite	3%,45%	
	Organic Selenium**** ***		
Cobalt		5%,20%	

ADDITIVES	
1	Anti-mould
2	Emulsifier
3	Toxin binders
4	Acidifiers
5	Prebiotics
6	Probiotics
7	Synbiotics
8	Caropyhl
9	Lucantin
10	Formic Acid
11	Butyric Acid
12	Propionic Acid

13	Acetic Acid
14	Butylatedl Hydroxyl
15	Butylatedl
16	Enzymes