Complete Starter Diet Specification (Phase 1) – Page 1 of 2
October, 2026

Ingredients	Units	Guaranteed Potency In Complete Diet			Sources
		All vegetable	Plasma option	Fish meal option	
Corn Minimum	%	41.0	41.0	41.0	
Maximum	%	43.0	43.0	43.0	
Soybean meal, 46.5% protein	%	14.1	15.0	15.0	
Spray-dried whey	%	25.0	25.0	25.0	Edible human grade
Dried Distillers Grains with Solubles (DDGS)	%	5.0	5.0	5.0	DON < 1 ppm
Processed Soy Products	%	7.5	3.75	2.5	Access Starter Protein (Substitutions need to be approved prior as inclusion may need to be altered)
Spray dried bovine plasma	%	- - -	3.0	- - -	
Fish Meal	%	- - -	- - -	5.0	Select Menhaden or IPC 780
Fat	%	3.0	3.0	3.0	Soybean oil or choice white grease (Substitutions need to be approved)
Monocalcium phosphate (21% P)	%	0.9	0.75	0.35	
Limestone (38% Calcium)	%	0.47	0.55	0.25	
L-Lysine HCl	%	0.50	0.425	0.45	
DL-Methionine	%	0.26	0.21	0.20	If using Met-hydroxy-analog multiply value times 1.14
L-Threonine	%	0.175	0.145	0.175	
L-Tryptophan	%	0.05	0.04	0.052	
L-Valine	%	0.115	0.1	0.125	
Salt	%	0.25	0.10	0.20	
Sodium metabisulfite	%	0.25	0.25	0.25	
Acid	%	0.50	0.50	0.50	Formic acid, Vevovitall, Activate DA, (Substitutions need to be approved)

Vitamins	Units	Guaranteed Potency Added per Ton of Complete Feed	Sources
Vitamin A	IU	3,750,000	Vitamin A acetate (retinyl acetate) supplied by beadlet
Vitamin D	IU	1,500,000	Vitamin D_3 (cholecalciferol) with at least 50% supplied by a vitamin A/D3 beadlet
Vitamin E	IU	60,000	d or dl-α-tocophorol acetate
Vitamin K (menadione)	mg	3,000	MPB (Menadione dimethylpyrimidinol bisulfite), MNB, or MSBC
Vitamin B_{12}	mg	30	Cyanocobalamin
Niacin	mg	45,000	Niacinamide, Nicotinic acid
Pantothenic acid	mg	25,000	d-calcium pantothenate
Riboflavin	mg	7,500	Crystalline riboflavin
Choline	mg	150,000	Choline chloride
Pyridoxine	mg	900	Pyridoxine hydrochloride

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Minerals	Guaranteed Potency Added in final diet		Sources
	mg/lb	ppm	
Copper	7.5	16.5	Copper sulfate, Copper chloride
Iodine	0.135	0.297	Ca iodate, Ethylenediamine dihydriodide (EDDI)
Iron	50	110	Ferrous sulfate
Manganese	15	33	Manganese sulfate, manganese oxide
Selenium	0.135	0.297	Sodium selenite
Zinc	1,360	3,000	**Zinc oxide (MUST BE ZINC OXIDE)**

Phytase	Units	Guaranteed Potency Per kg of final diet	Source
Phytase (Pick one source and provide source with quotation) – Must use guaranteed phytase level provided by the phytase manufacturer.	FTU or FYT	1,450	Bestzyme (Besta Ag)
		2,435	Allzyme Swine HC (Alltech)
		1,205	Axtra PHY GOLD (iff)
		2,910	Empirical (ADM)
		5,420	Grainzyme (Agrivida)
		1,595	HiPhorius (Novonesis)
		6,240	Microtech (Guangdong VTR Bio-Tech)
		1,670	Natuphos E 5,000 G (BASF)
		1,465	OptiPhos Plus (Huevepharma)
		1,460	Quantum Blue G (AB Vista)
		4,490	Smizyme Thermostable (Origination)
		5,055	Sunphase HT (Wuhan Sunhy Biology Co.)
		1,760	SuperPhy (Hanley International)

Medication (As decided by the producer)	Units	Guaranteed Potency Added per Ton of Complete Feed	Sources (Decided by the producer)

The following points must be followed unless approval for changes have been made:

a) Must be pelleted.
b) Guaranteed to stay free-flowing, lump free, and non-dusty.
c) When bagged, all bags must be labeled with tags. Tags should include date of manufacture, lot number, guaranteed analysis, inclusion rate, and proposed use of the product.
d) Formulate using the guaranteed analysis from the supplier for the nutrient. We can request label copies of your ingredients and copies of your mixing records to show quantities of ingredients per batch.
e) Permission must be obtained before using an alternative source for any ingredient.