

# RR LABS, Hyderabad

## Summary of analysed samples of feed ingredients and feeds (from Nov-03 to Sept-05)

**Table : The summary of 4500 samples received is given below**

Feed Ingredient	No. of Total samples	parameter analyzed	No. of analyzed samples	Minimum %	Maximum %	Average %	% samples positive for Toxins
<b>4500</b>							
SOYA	1123	Moisture	50	1.68	13.64	10.48	12.5
		CP%	1084	35.42	50.00	43.62	
		CF%	16	4.90	12.12	7.32	
		S/S%	103	0.60	13.86	3.89	
		Oil%	11	0.78	1.83	1.08	
		Toxinppb	32	0	35	8	
		U.A	54	0.00	2.10	0.08	
FISH	452	M%	61	6.84	40.21	11.38	27.3
		CP%	427	20.16	63.98	43.95	
		CF%	2	2.90	7.27	5.09	
		S/S%	102	1.04	25.40	8.96	
		Salt%	202	0.36	23.43	4.35	
		Oil%	18	4.18	18.64	9.86	
		Ca%	54	1.09	10.53	5.36	
		P%	54	0.32	5.73	2.56	
		Toxinppb	22	0	35	11	
FISH (CHILTA)	11	CP%	11	34.36	54.50	45.03	
		CF%	1	7.27	7.27	7.27	
		S/S%	1	11.50	11.50	11.50	
		Salt%	2	1.53	4.12	2.83	
		Ca%	2	3.43	10.53	6.98	
		P%	3	1.73	5.73	3.34	
FISH (Belkota)	14	M%	2	8.21	13.87	11.04	
		CP%	14	27.37	50.66	40.53	
		S/S%	4	5.74	22.49	13.50	
		Salt%	1	3.92	3.92	3.92	
		Ca%	2	4.36	5.23	4.80	
		P%	2	2.75	3.07	2.91	
FISH (heads)	15	CP%	15	31.11	51.92	42.69	
		Salt%	5	1.02	7.58	4.03	
		Ca%	5	2.88	9.03	6.48	
		P%	5	1.22	3.95	2.93	
FISH (Jwala)	37	M%	2	10.90	14.76	12.83	
		CP%	33	35.26	54.35	43.87	
		S/S%	6	2.15	19.65	8.89	
		Salt%	11	3.36	6.96	5.00	
		Ca%	6	2.40	9.04	6.12	
		P%	5	1.00	4.67	2.40	

Feed Ingredient	No.of Total samples	parameter Analyzed	No.of analyzed samples	Minimum %	Maximum %	Average %	% samples positive for Toxins
<b>4406</b>							
FISH (Silver kanta)	38	M% CP% S/S% Salt% Ca% P%	5 38 11 12 3 3	10.60 35.28 2.59 1.53 4.34 1.86	14.00 56.83 24.01 2.74 4.78 2.28	12.30 45.33 11.65 2.10 4.56 2.06	
FISH (Oil)	18	M% CP% S/S% Salt% Oil% Ca% P%	6 18 6 11 10 1 1	9.57 29.61 6.05 0.77 8.16 4.46 2.15	17.56 51.40 22.15 5.28 18.64 4.46 2.15	13.71 40.57 12.55 1.97 14.53 4.46 2.15	
G.N.DOC	481	CP% CF% S/S% Oil% Toxinppb	448 16 6 20 103	34.72 4.29 0.85 0.43 5	49.00 14.29 2.13 1.54 130	42.87 8.56 1.39 0.78 33	23
G.N.DOC (Exp)	4	CP% Oil%	4 4	43.63 5.12	47.26 6.67	45.44 6.19	
S.FDOC	302	M% CP% CF% S/S% Toxinppb	3 274 32 8 38	7.42 24.02 16.41 1.15 5	10.13 32.39 29.84 6.54 96	8.55 27.96 25.56 4.16 25	37
RICE BRAN	66	CP% CF% S/S% Oil% Toxinppb	17 5 3 58 2	11.39 6.58 2.23 10.40 0	17.65 18.88 6.26 27.95 10	13.72 11.72 3.83 16.53 5	
D.O.R.B	110	M% CP% CF% S/S%	1 96 19 3	10.94 7.40 15.59 6.34	10.94 18.15 32.62 9.63	10.94 12.50 21.16 7.85	
STONE	25	Ca% S/S%	25 11	18.10 8.71	39.15 22.15	33.20 14.90	
SHELL GRIT	8	Ca% P% S/S%	8 2 1	31.64 0.01 0.61	39.57 1.76 0.61	37.22 0.89 0.61	
D.C.P	68	M% Ca% P%	14 49 64	1.10 22.74 11.25	9.40 34.81 18.22	3.48 25.88 16.61	

Feed Ingredient	No. of Total samples	parameter Analyzed	No. of analyzed samples	Minimum %	Maximum %	Average %	% samples positive for Toxins
4406							
M.B.M	83	M% CP% CF% Oil% Ca% P% Toxinppb	1 76 1 3 39 37 16	7.08 40.92 0.40 0.69 4.37 0.36 0	7.08 62.90 0.40 8.44 16.50 6.89 30	7.08 49.83 0.40 5.46 8.13 4.27 12	31
MEAT MEAL	8	M% CP% S/S% Ca% Toxinppb	2 7 2 5 1	11.04 63.80 5.89 0.16 20	13.25 74.44 8.02 2.13 20	12.15 71.96 6.96 1.12 20	
MAIZE	95	M% CP% CF% Oil% Ca% P% Toxinppb	20 11 2 4 3 3 12	6.41 6.62 3.11 3.66 0.20 0.16 0	14.75 9.46 4.63 5.07 0.29 0.18 35	11.64 8.50 3.87 4.14 0.24 0.17 10	
MAIZE GLUTTEN	44	M% CP% Oil%	30 43 28	5.17 22.66 1.40	11.07 69.13 7.74	8.31 53.10 4.30	
Gingelly (Thil) cake	8	CP% CF% S/S% Oil%	8 3 3 2	27.25 11.49 1.92 6.85	37.38 24.97 4.20 9.87	29.89 19.87 3.02 8.36	
COTTON SEED CAKE	8	M% CP% CF% S/S% Salt% Oil% P%	2 8 4 2 1 2 1	6.60 19.89 11.73 0.14 0.14 1.20 1.03	10.57 45.46 36.10 0.39 0.14 6.55 1.03	8.59 33.60 27.81 0.27 0.14 3.88 1.03	
RAPE SEED MEAL	9	CP% Toxinppb	7 3	35.16 0	39.74 10	38.54 5	
GOUR MEAL	2	cp%	2	42.5	49.16	45.83	
CALCITE POWDER	4	Ca%	4	36.33	39.37	37.74	
BAJRA	16	cp%	1	10.08	10.08	10.08	
BROKEN RICE	3	CP% CF% Toxinppb	1 1 1	11.7 7.64 10	11.7 7.64 10	11.7 7.64 10	

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4406							
JAWAR	32	M% CP% CF% S/S% Salt% Oil% Ca% P% Toxinppb	1 1 1 1 1 1 1 1 1	9.51 13.65 22.09 3.2 0.03 2.38 0.5 0.12 4	9.51 13.65 22.09 3.2 0.03 2.38 0.5 0.12 4	9.51 13.65 22.09 3.2 0.03 2.38 0.5 0.12 4	
TAPIOKA	1	CP%	1	2.12	2.12	2.12	
SALT	2	M% Purity%	1 2	8.26 89.83	8.26 95.22	8.26 92.53	
SAL SEED CAKE	10	CP% Toxinppb	9 9	8.07 8.00	8.88 54.00	8.45 18.00	
COPRA CAKE	1	M% CP% CF % S/S % OIL %	1 1 1 1 1	3.33 23.74 20.2 4.12 7.53	3.33 23.74 20.2 4.12 7.53	3.33 23.74 20.2 4.12 7.53	
FEED SAMPLES	1308						

### Summary of the water & Fish samples analysed from Nov-04 to Sept-05

Feed Ingredient	No. of Total samples	parameter analyzed	No. of analyzed samples	Minimum C.FU*	Maximum C.FU	Average C.FU
Water	71	pH Total Hardness Non-coliforms/100ml Coliforms/100ml	71 70 63 63	5.42 26 10 0	8.84 640 450 120	7 237 111 7
Fish	35	Total Count Mould Count Salt tolerant spp. Salmonella spp. Clostridium spp. E.Coli L.F.C.** Non-L.F.C	35 31 29 32 32 28 25 25	90 0 0 0 0 0 0 0	12000 120 5000 0 18 4000 7400 24000	3151 6 364 0 5 334 1014 2346

\* Colony forming unit

\*\* Lactose Fermenting Colonies