

Annual Requirments 2025 - Animal Nutrition

1. Chemicals

Se. No.	Item	Pack size	Qty Required	Specification	Bidder's Response		If No Bidder's response
					Yes	No	
1	Sodium hydroxide pellets	1kg	50	European std			
2	Ortho Boric acid	1kg	2	European std			
3	Potassium sulphate	500g	5	European std			
4	Copper sulphate anhydrous	500g	2	European std			
5	0.1N Sulphuric acid standard solution "Convol "	500ml or smaller bottles	Total 60 L	For Kjeldahl titration Density 1.01 g/cm ³ Storage at ambient temperature (one vial: make concentration [0.1N] 1L)			
6	EDTA anhydrous	100g	1	European std			
7	Methyl red (indicator for kjeldhal method)	25 g	1	European std			
8	Bromocrisole green (indicator for kjeldhal method)	10g	1	European std			
9	Conc Sulphuric Acid 98%	2.5l	10	Analar			
10	Phenopthalin indicator	25g	1	Merck or equivalent			
11	Ethanol absolute	2.5l	25	99.98%			
12	Celite powder	500g	2	Celite®545 or equivalent filter aid treated with sodium carbonate			
13	Acetone	2.5L	2	58.08 g/mol Sigma aldrich or equivalent			
14	Petroleum spirit	2.5 L	40	60-80°C Boiling point (Benzine free) Analar			
15	Hydrochloric acid 37%	2.5L	4	Analar			
16	Methanol	2.5L	2	70% Hyper solve			
17	Toatal aflatoxin (B1, B2, G1, G2) detection ELISA test kit	96 well pack	1	1. Test plates and reagents (total solution/ Total Kit) to detect aflatoxins B1,B2, G1 G2. 2. Each kit should have minimum 96 wells with removable srips Test kit needs to include standards of 0ppb, 5 ppb,10 ppb, 20 ppb, 3. The test kit should include all the reagents needed to test the samples together with the instructions for sample preparation			
18	Toatal aflatoxin standed (B1, B2, G1, G2)	1ml	1	Mixture 0.5-2µg / ml in Acetonitrile 1ml			

19	Nutrient agar	1 kg	1	Merck or equivalent			
20	Citric acid	500g	1	Sigma or equivalent			
21	Strontium chloride	500g	2	Sigma or equivalent			
22	Tri Chloro Acetic acid 99-100%	250g	1	Analar			
23	Standard- Ca (for AAS)-1000ppm	100ml	4	European std			
24	Standard- Mg (for AAS)-1000ppm	100ml	2	European std			
25	Standard- Cu(for AAS)-1000ppm	100ml	2	European std			
26	Standard- Zn (for AAS)-1000ppm	100ml	2	European std			
27	Standard- Co (for AAS)-1000ppm	100ml	2	European std			
28	Standard- Fe (for AAS)-1000ppm	100ml	1	European std			
29	Standard- Mn (for AAS)-1000ppm	100ml	1	European std			
30	Standard- K (for AAS)-1000ppm	100ml	2	European std			
31	Standard- Na (for AAS)-1000ppm	100ml	2	merck or equivalent			
32	Standard- Arsenic (for AAS)-1000ppm	100ml	1	European std			
33	Standard- Cadmium (for AAS)-1000ppm	100ml	1	European std			
34	Standard- Lead (for AAS)-1000ppm	100ml	1	European std			
35	Standard- Mercury (for AAS)-1000ppm	100ml	2	European std			
36	Hidrogeon peroxide	500 ml	2	European std -30%			
37	Benzoic Acid	1 g pellets x 100	2	Standardzed for Bomb caloremeter-heat of combustion			
38	silica gel	1 kg	1	indicating dry and moist conditions)3mm or higher diameter particals without dust/ mash			
39	Potassium dihydrogen phosphate	250g	1	AnalaR- European std			
40	Acetonitrile	2.5 L	60	for HPLC, LC MS grade-suitable for UPLC/UHPLC 99.9%			
41	Formic acid	1 L	3	European std, 80%			