

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### FAD 5 : Animal Feeds and Nutrition

**Scope:** Standardization in the field of – a) Animal feedstuffs, mineral mixtures, including organic and nano minerals, compounded feed and feed supplements. b) Physical, chemical and microbiological methods of analysis  
**Liaison:** ISO TC-34 SC-10 (P): Animal Feeding Stuffs

**ISO TC-191 (O): ISO TC-34 SC-10 (P):** *Animal feeding stuffs*

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10672:1983 <i>Reviewed In : 2024</i>	Specification for mineral mixtures for supplementing sheep and goat feeds	September, 2024	3	Indigenous
2	IS 10741:1983 <i>Reviewed In : 2024</i> Decision taken to Reaffirm and Archive	Specification for ambadi (Hibiscus Cannabinus) cake as livestock feed ingredient	March, 2024	1	Indigenous
3	IS 11586:2022	Malt Sprouts as Livestock Feed Ingredient $\frac{1}{2}$ Specification		-	Indigenous
4	IS 11968:2019 <i>Reviewed In : 2024</i>	Pet food for dogs and cats - Specification (First Revision)	May, 2024	-	Indigenous
5	IS 12829:2024	MANGO SEED KERNEL (SOLVENT EXTRACTED) AS LIVESTOCK FEED INGREDIENT " SPECIFICATION		-	Indigenous
6	IS 13398:1992 <i>Reviewed In : 2022</i> Reaffirmed but not taken up for revision	Alga spirulina, feed grade - Specification	November, 2022	-	Indigenous
7	IS 13433 (Part 1):2024 ISO 6490-1:1985 <i>ISO 6490-1:1985</i>	ANIMAL FEEDING STUFFS " DETERMINATION OF CALCIUM CONTENT PART 1: TITRIMETRIC METHOD		-	Identical under dual numbering
8	IS 13451:2024	Urea Molasses Block as Ruminant Feed Supplement " Specification (First Revision)		-	Indigenous
9	IS 1374:2024	Chicken Feeds - Specification (Sixth Revision)		-	Indigenous
10	IS/ISO 13903:2005 <i>Reviewed In : 2021</i> <i>ISO 13903 : 2005</i>	Animal feeding stuffs - Determination of amino acids content	March, 2021	-	Identical under single numbering
11	IS/ISO 13904:2016 ISO 13904 : 2016	ANIMAL FEEDING STUFFS DETERMINATION OF		-	Identical under single numbering

	ISO 13904 : 2016	TRYPTOPHAN CONTENT			
12	IS 14275:1995 Reviewed In : 2024	Technical requirements for urea molasses liquid drought feed for cattle	September, 2024	-	Indigenous
13	IS 14325:2013 Reviewed In : 2023	Bypass protein feed for cattle - Specification (First Revision)	May, 2023	-	Indigenous
14	IS 14702:2022	Solvent Extracted Undecorticated Sunflower Oilcake as Livestock Feed Ingredient $i_{\frac{1}{2}}$ Specification		-	Indigenous
15	IS/ISO 14718:1998 Reviewed In : 2021 ISO 14718 : 1998	Animal feeding stuffs - Determination of aflatoxin B1 content of mixed feeding stuffs - Method using high-performance liquid chromatography	March, 2021	-	Identical under single numbering
16	IS 14826:2021 ISO 5985:2002 ISO 5985:2002	ANIMAL FEEDING STUFFS DETERMINATION OF ASH INSOLUBLE IN HYDROCHLORIC ACID		-	Identical under dual numbering
17	IS 14827:2023 ISO 5984: 2022 ISO 5984: 2022	Animal feeding stuffs $i_{\frac{1}{2}}$ Determination of crude ash		-	Identical under dual numbering
18	IS 14828:2000 ISO 6491 Reviewed In : 2022 ISO 6491 : 1998	Animal feeding stuff - Determination of total phosphorus content - Spectrophotometric method	March, 2022	-	Identical under dual numbering
19	IS 14829:2021 ISO 6495-1 : 2015 ISO 6495-1 : 2015	Animal feeding stuff - Determination of water-soluble chlorides content Part 1 :Titrimetric method		-	Identical under dual numbering
20	IS 14831:2021 ISO 6498 : 2012 ISO 6498 : 2012	Animal Feeding Stuff - Guidelines for Sample Preparation		-	Identical under dual numbering
21	IS 14832:2000 ISO 6654 Reviewed In : 2022 ISO 6654 : 1991	Animal feeding stuff - Determination of urea	March, 2022	-	Identical under dual numbering
22	IS/ISO 14902:2001 Reviewed In : 2021 ISO 14902 : 2001	Animal feeding stuffs - Determination of trypsin inhibitor activity of soya products	March, 2021	-	Identical under single numbering
23	IS 15120:2002 ISO 14565 Reviewed In : 2022 ISO 14565 : 2000	Animal feeding stuffs - Determination of vitamin A content - Method using high performance liquid chromatography	March, 2022	-	Identical under dual numbering
24	IS 15121:2002 ISO 6869 Reviewed In : 2022 ISO 6869 : 2000	Animal feeding stuffs - Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc - Method using atomic absorption spectrometry	March, 2022	-	Identical under dual numbering
25	IS 15948:2011 ISO 6867:2000 Reviewed In : 2021 ISO 6867:2000	Animal feeding stuffs - Determination of vitamin E content - Method using high - Performance liquid chromatography	March, 2021	-	Identical under dual numbering
26	IS 15949:2012 ISO 7088 :1981 Reviewed In : 2022 ISO 7088 :1981	Fish - Meal - Vocabulary	March, 2022	-	Identical under dual numbering
27	IS 15950:2012	Animal feeding stuffs -	March, 2022	-	Identical under dual

	ISO 14181 : 2000 Reviewed In : 2022 ISO 14181 : 2000	Determination of residues of organochlorine pesticides - Gas chromatographic method			numbering
28	IS 15951:2012 ISO 14182 : 1999 Reviewed In : 2022 ISO 14182 : 1999	Animal feeding stuffs - Determination of residues of organophosphorus pesticides - Gas chromatographic method	March, 2022	-	Identical under dual numbering
29	IS 15952:2012 ISO 14797 : 1999 Reviewed In : 2022 ISO 14797 : 1999	Animal feeding stuffs - Determination of furazolidone content - Method using high-performance liquid chromatography	March, 2022	-	Identical under dual numbering
30	IS 16079 (Part 1):2013 ISO/TS 17764-1 Reviewed In : 2023 ISO/TS 17764-1 : 2002	Animal feeding stuffs - Determination of the content of fatty acids: Part 1 preparation of methyl esters	May, 2023	-	Identical under dual numbering
31	IS 16079 (Part 2):2013 ISO/TS 17764-2 Reviewed In : 2023 ISO/TS 17764-2 : 2002	Animal feeding stuffs - Determination of the content of fatty acids: Part 2 gas chromatographic method	May, 2023	-	Identical under dual numbering
32	IS 16080:2013 ISO 9831 Reviewed In : 2023 ISO 9831 : 1998	Animal feeding stuffs, animal products and faeces or urine - Determination of gross calorific value - Bomb calorimeter method	May, 2023	-	Identical under dual numbering
33	IS 1664:2002 Reviewed In : 2022	Mineral mixtures for supplementing cattle feeds - Specification (Fourth Revision)	November, 2022	2	Indigenous
34	IS 1712:2022	Cottonseed Oilcake as Livestock Feed Ingredient $\bar{i}_L^{1/2}$ Specification		-	Indigenous
35	IS 1713:2022	Decorticated Groundnut Oilcake as Livestock Feed Ingredient $\bar{i}_L^{1/2}$ Specification		-	Indigenous
36	IS 17818:2022	CODE OF PRACTICE FOR THE REDUCTION OF AFLATOXIN B1 IN RAW MATERIALS AND SUPPLEMENTAL FEEDING STUFFS FOR MILK PRODUCING ANIMALS		-	Indigenous
37	IS 17901:2022 ISO 6497:2002 ISO 6497:2002	Animal feeding stuffs Sampling		-	Identical under dual numbering
38	IS 17902:2022 ISO 16472:2006 ISO 16472:2006	Animal feeding stuffs Determination of amylase-treated neutral detergent fibre content ANDF		-	Identical under dual numbering
39	IS 17903:2022 ISO 13906:2008 ISO 13906:2008	Animal feeding stuffs Determination of acid detergent fibre ADF and acid detergent lignin ADL contents		-	Identical under dual numbering
40	IS 17904:2022 ISO 15914:2004 ISO 15914:2004	Animal feeding stuffs Enzymatic determination of total starch content		-	Identical under dual numbering
41	IS 17905:2022 ISO 30024:2009 ISO 30024:2009	Animal feeding stuffs Determination of phytase activity		-	Identical under dual numbering

42	IS 18133:2023 ISO 12099 : 2017 ISO 12099 : 2017	Animal feeding stuffs, cereals and milled cereal products $\ddot{\text{I}}_{\text{L}}^{1/2}$ Guidelines for the application of near infrared spectrometry		-	Identical under dual numbering
43	IS 18136:2023 ISO 17180 : 2013 ISO 17180 : 2013	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of lysine, methionine and threonine in commercial amino acid products and premixtures		-	Identical under dual numbering
44	IS 18137:2023 ISO 6870:2002 ISO 21043-2 : 2018	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Qualitative determination of zearalenone		-	Identical under dual numbering
45	IS 18138:2023 ISO 6493:2000 ISO 6493:2000	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of starch content $\ddot{\text{I}}_{\text{L}}^{1/2}$ Polarimetric method		-	Identical under dual numbering
46	IS 18141:2023 ISO 6655:1997 ISO 6655:1997	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of soluble nitrogen content after treatment with pepsin in dilute hydrochloric acid		-	Identical under dual numbering
47	IS 18142:2023 ISO 5510:1984 ISO 5510:1984	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of available lysine		-	Identical under dual numbering
48	IS 18143:2023 ISO 17375 : 2006 ISO 17375 : 2006	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of aflatoxin B1		-	Identical under dual numbering
49	IS 18144:2023 ISO 17372 : 2008 ISO 17372 : 2008	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of zearalenone by immunoaffinity column chromatography and high performance liquid chromatography		-	Identical under dual numbering
50	IS 18521:2023 ISO 7485 : 2000 ISO 7485 : 2000	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of potassium and sodium contents $\ddot{\text{I}}_{\text{L}}^{1/2}$ Methods using flame-emission spectrometry		-	Identical under dual numbering
51	IS 18522:2023	SOLVENT EXTRACTED MUSTARD AND RAPESEED OILCAKE (MEAL) AS LIVESTOCK FEED INGREDIENT $\ddot{\text{I}}_{\text{L}}^{1/2}$ SPECIFICATION		-	Indigenous
52	IS 18523:2023	Solvent Extracted Soybean Oilcake Meal as Livestock Feed Ingredient $\ddot{\text{I}}_{\text{L}}^{1/2}$ Specification		-	Indigenous
53	IS 18524:2023	WHOLE GRAIN AS LIVESTOCK FEED INGREDIENT $\ddot{\text{I}}_{\text{L}}^{1/2}$ SPECIFICATION		-	Indigenous
54	IS 18525:2023	Guar Korma as Livestock Feed Ingredient $\ddot{\text{I}}_{\text{L}}^{1/2}$ Specification		-	Indigenous
55	IS 18526:2023	PALM KERNEL OILCAKE (EXPELLER PRESSED) AS LIVESTOCK FEED INGREDIENT $\ddot{\text{I}}_{\text{L}}^{1/2}$ SPECIFICATION		-	Indigenous
56	IS 18527:2023 ISO 14183 : 2005 ISO 14183 : 2005	Animal feeding stuffs $\ddot{\text{I}}_{\text{L}}^{1/2}$ Determination of monensin, narasin and salinomycin contents $\ddot{\text{I}}_{\text{L}}^{1/2}$ Liquid chromatographic		-	Identical under dual numbering

		method using post-column derivatization			
57	IS 18528:2023 ISO 14939 : 2001 ISO 14939 : 2001	Animal feeding stuffs $\dot{\imath}_L^{1/2}$ Determination of carbadox content $\dot{\imath}_L^{1/2}$ Method using high-performance liquid chromatography		-	Identical under dual numbering
58	IS 18791:2024	CALCITE POWDER (CaCO <sub>3</sub> ), ANIMAL FEED GRADE $\dot{\imath}_L^{1/2}$ SPECIFICATION		-	Indigenous
59	IS 18792:2024	COMPOUNDED FEED FOR BUFFALO - SPECIFICATION		-	Indigenous
60	IS 19033:2023	GUAR CHUNI AS LIVESTOCK FEED INGREDIENT $\dot{\imath}_L^{1/2}$ SPECIFICATION		-	Indigenous
61	IS 1932:2022	Mustard and Rapeseed Oilcake as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
62	IS 1934:2016 Reviewed In : 2021	Sesamum oilcake as livestock feed ingredient - Specification (Second Revision)	April, 2021	-	Indigenous
63	IS 1935:2022	Linseed Oilcake as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
64	IS 1942:1968 Reviewed In : 2024	Specification for bone - Meal as Poultry feed supplement (First Revision)	September, 2024	3	Indigenous
65	IS 2052:2023	Compounded feeds for cattle $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
66	IS 2052:2009 Reviewed In : 2019	Compounded feeds for cattle - Specification (Fourth Revision)	December, 2019	5	Indigenous
67	IS 2151:2022	Maize Germ Oilcake as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
68	IS 2152:2013 Reviewed In : 2023	Maize gluten as livestock feed ingredient - Specification (Second Revision)	May, 2023	-	Indigenous
69	IS 2153:2022	Maize Bran as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
70	IS 2154:2014 Reviewed In : 2024	Coconut oilcake as livestock feed ingredient - Specification (Third Revision)	March, 2024	-	Indigenous
71	IS 2239:2022	Wheat Bran as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
72	IS 3160:2022	Tur Chuni as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
73	IS 3161:2022	Gram Chuni as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
74	IS 3163:2022	Rice Polish as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
75	IS 3440:2024	SOLVENT EXTRACTED LINSEED MEAL (DE-OILED CAKE) AS LIVESTOCK FEED INGREDIENT “ $\dot{\imath}_L^{1/2}$ ” SPECIFICATION		-	Indigenous
76	IS 3441:2022	Solvent Extracted Groundnut Oil Cake as Livestock Feed Ingredient $\dot{\imath}_L^{1/2}$ Specification		-	Indigenous
77	IS 3592:2024	Solvent Extracted Decorticated Cottonseed Meal (De-oiled Cake) as Livestock Feed Ingredient “ $\dot{\imath}_L^{1/2}$ ”		-	Indigenous

		Specification (Third Revision)			
78	IS 3593:2022	Solvent Extracted Rice Bran (DeOiled Rice Bran) as Livestock Feed Ingredient $i_{\frac{1}{2}}$ Specification		-	Indigenous
79	IS 3648:2024	RICE BRAN AS LIVESTOCK FEED INGREDIENT " SPECIFICATION		-	Indigenous
80	IS 4193:2022	Guar Meal as Livestock Feed Ingredient $i_{\frac{1}{2}}$ Specification		-	Indigenous
81	IS 4307:1983 Reviewed In : 2024	Specification for fish meal as livestock feed ingredient (Second Revision)	September, 2024	2	Indigenous
82	IS/ISO 5061:2002 Reviewed In : 2021 ISO 5061 : 2002	Animal feeding stuffs - Determination of castor oil seed husks - Microscope method	March, 2021	-	Identical under single numbering
83	IS 5065:1986 Reviewed In : 2021	Specification for meat meal as livestock feed ingredient (First Revision)	March, 2021	2	Indigenous
84	IS 5470:2002 Reviewed In : 2022	Dicalcium phosphate, animal feed grade - Specification (First Revision)	November, 2022	4	Indigenous
85	IS 5560:2024	Compounded Feeds for Young Stock " Specification (First Revision)		-	Indigenous
86	IS 5654 (Part 1):1970 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for feeds for laboratory animals: Part 1 rats and mice	March, 2021	-	Indigenous
87	IS 5654 (Part 2):1970 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for feeds for laboratory animals: Part 2 guinea pigs	March, 2021	-	Indigenous
88	IS 5654 (Part 3):1983 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for feeds for laboratory animals: Part 3 monkeys	March, 2021	-	Indigenous
89	IS 5672:1992 Reviewed In : 2024	Mineral mixtures for supplementing poultry feeds - Specification (First Revision)	September, 2024	3	Indigenous
90	IS 5862:2022	Solvent Extracted Nigerseed Oilcake (Meal) as Livestock Feed $i_{\frac{1}{2}}$ Specification		-	Indigenous
91	IS/ISO 5983-1:2005 Reviewed In : 2021 ISO 5983 : PART 1 : 2005	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content: Part 1 kjeldahl method	March, 2021	-	Identical under single numbering
92	IS/ISO 5983-2:2021 ISO 5983-2 : 2009 ISO 5983-2 : 2009	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content : Part 2 Block digestion/steam distillation method		-	Identical under single numbering
93	IS 6107:1971 Reviewed In : 2024	Specification for dried silk worm pupae as livestock feed	September, 2024	2	Indigenous

94	IS 6242:1985 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for solvent extracted undecorticated safflower oilcake as livestock feed ingredient (First Revision)	March, 2024	1	Indigenous
95	IS/ISO 6492:1999 Reviewed In : 2021 ISO 6492 : 1999	Animal feeding stuffs - Determination of fat content	March, 2021	-	Identical under single numbering
96	IS/ISO 6496:1999 Reviewed In : 2021 ISO 6496 : 1999	Animal feeding stuffs - Determination of moisture and other volatile matter content	March, 2021	-	Identical under single numbering
97	IS/ISO 6865:2000 Reviewed In : 2021 ISO 6865 : 2000	Animal feeding stuffs - Determination of crude fibre content - Method with intermediate filtration	March, 2021	-	Identical under single numbering
98	IS/ISO 6866:1985 Reviewed In : 2021 ISO 6866 : 1985	Animal feeding stuffs - Determination of free and total gossypol	March, 2021	-	Identical under single numbering
99	IS 7060:1973 Reviewed In : 2024	Specification for blood meal as livestock feed	September, 2024	2	Indigenous
100	IS 7472:2024	Pig Feeds -Specification (second revision)		-	Indigenous
101	IS 7874 (Part 1):1975 Reviewed In : 2024	Methods of tests for animal feeds and feeding stuffs: Part 1 general methods	September, 2024	2	Indigenous
102	IS 7874 (Part 2):1975 Reviewed In : 2024	Methods of tests for animal feeds and feeding stuffs: Part 2 minerals and trace elements	September, 2024	2	Indigenous
103	IS 7874 (Part 3):2020 Reviewed In : 2024	Methods of Tests for Animal Feeds and Feeding Stuffs Part 3 Microbiological Methods ( First Revision )	September, 2024	-	Indigenous
104	IS 920:1972 Reviewed In : 2022	Specification for common salt and cattle licks for animal consumption (First Revision)	November, 2022	2	Indigenous
105	IS 9703:2024	ANIMAL FEEDS AND FEEDING STUFFS “ GLOSSARY OF TERMS		-	Indigenous
106	IS 9863:1992 Reviewed In : 2022	Nutrient requirements for poultry (First Revision)	November, 2022	-	Indigenous
107	IS 9867:1981 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for parboiled rice bran as livestock feed ingredient	March, 2024	1	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
No Records Found		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	FAD 5 (28336)	COMPOUNDED FEEDS FOR SHEEP AND GOAT SPECIFICATION
2	FAD 5 (28564)	MONOCALCIUM PHOSPHATE ANIMAL FEED GRADE SPECIFICATION

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
1	FAD 5 (27475)	MAIZE OR CORN SILAGE AS LIVESTOCK FODDER SPECIFICATION
2	FAD 5 (27476)	DRIED DISTILLERS GRAIN WITH SOLUBLES DDGS AS LIVESTOCK FEED INGREDIENT SPECIFICATION
3	FAD 5 (28330)	Animal feeding stuffs Determination of phytase activity First Revision

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
1	FAD 5 (22003)	COMPOUNDED FEED FOR PREGNANT COWS AND BUFFALOES - SPECIFICATION
2	FAD 5 (27262) Revision of: IS 4307:1983	FISH MEAL AS POULTRY FEED INGREDIENT SPECIFICATION
3	FAD 5 (27263) Revision of: IS 1942:1968	BONE-MEAL AS POULTRY FEED SUPPLEMENT SPECIFICATION
4	FAD 5 (27298) Revision of: IS 5065:1986	MEAT MEAL AS POULTRY FEED INGREDIENT SPECIFICATION
5	FAD 5 (27300) Revision of: IS 6107:1971	DRIED SILK WORM PUPAE AS POULTRY FEED INGREDIENT SPECIFICATION
6	FAD 5 (27309) Revision of: IS 7060:1973	BLOOD-MEAL AS POULTRY FEED INGREDIENT SPECIFICATION
7	FAD 5 (27485) Revision of: IS 9863:1992	Nutrient Requirements for Poultry Second Revision
8	FAD 5 (27486) Revision of: IS 5672:1992	Mineral mixtures for supplementing poultry feeds Specification Second Revision

Total Published Standards:95 Total Standards Under development:13
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Aspect Wise Report
Product : 57
Code of Practices : 1
Methods of Test : 46
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
SI. No.	IS No. & Year	Title
1	IS 10147:1982	Undecorticated Sunflower Oilcake as Livestock Feed Ingredient

	Reviewed In : 1999	
2	IS 10165:1982 Reviewed In : 1999	Decorticated Sunflower Oilcake as Livestock Feed Ingredient
3	IS 10657:1983 Reviewed In : 1999	Solvent Extracted Soyabean Oilcake Meal as Livestock Feed Ingredient
4	IS 10670:1983 Reviewed In : 2004	Virginia Tobacco Seedcake as Livestock Feed Ingredient
5	IS 10671:1983 Reviewed In : 2010	Mango Seed Kernels as Livestock Feed Ingredient
6	IS 1291:1958	Cattle licks plain and mineralized
7	IS 13399:1992 Reviewed In : 2008	Animal Feeds and Feeding Stuffs - Determination of Urea
8	IS 13426:1992 Reviewed In : 2022	Animal feeds and feeding stuffs - Methods of sampling for aflatoxin analysis
9	IS 13427:1992 ISO 6651 Reviewed In : 2017 ISO 6651 : 1987	Animal feeds and feeding stuffs - Determination of aflatoxin B - 1 content
10	IS 13433 (Part 2):1992 ISO 6490-2 Reviewed In : 2017	Animal feeds and feeding stuffs - Determination of calcium Part 2 atomic absorption spectrometric method
11	IS 13574:1992 Reviewed In : 2008	Animal Feed and Feeding Stuffs - Determination of Calcium and Magnesium In Mineral Supplements
12	IS 14825:2000 ISO 5983 Reviewed In : 2008	Animal Feeding Stuff - Determination of Nitrogen Content and Calculation of Crude Protein Content - Kjeldahl Method
13	IS 14830:2000 ISO 6496 Reviewed In : 2008	Animal Feeding Stuff - Determination of Moisture Content
14	IS 1509:1972 Reviewed In : 2004	Tapioca as Livestock Feed
15	IS 1510:1959	Tapioca Flour for Animal Food
16	IS 1714:1960	Methods of sampling and test for oilcakes as livestock feed
17	IS 2503:1986 Reviewed In : 1996	Decorticated Safflower Kardi Oilcake as Livestock Feed Ingredient
18	IS 3162:1965 Reviewed In : 2009	Gram Husk
19	IS 3198:1965 Reviewed In : 2010	Fodder Yeast
20	IS 3591:1985 Reviewed In : 2019	Specification for solvent - Extracted coconut oilcake Meal as livestock feed ingredient Second Revision
21	IS 4018:1967	Broiler feeds incorporated in IS 1374
22	IS 5063:1969 Reviewed In : 2019	Specification for TUR husk
23	IS 5064:1980 Reviewed In : 2004	Tapioca Spent Pulp as Livestock Feed
24	IS 6496:1972	Precipitated calcium silicate pigments for paints
25	IS 7059:1973 Reviewed In : 1999	Solvent Extracted Sal Seed Meal for Feeding Livestock
26	IS 7061:1973 Reviewed In : 2004	Calcined Bone Meal as Livestock Feed Supplement
27	IS 9599:1980 Reviewed In : 2004	Rubber Seed Cake as Livestock Feed

## Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10672:1983 Reviewed In : 2024	Specification for mineral mixtures for supplementing sheep and goat feeds
2	IS 10741:1983 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for ambadi Hibiscus Cannabinus cake as livestock feed ingredient
3	IS 11586:2022 ISO 20896-1:2019	Malt Sprouts as Livestock Feed Ingredient Specification
4	IS 11968:2019 Reviewed In : 2024	Pet food for dogs and cats - Specification First Revision
5	IS 12829:2024	MANGO SEED KERNEL SOLVENT EXTRACTED AS LIVESTOCK FEED INGREDIENT SPECIFICATION
6	IS 13398:1992 Reviewed In : 2022 Reaffirmed but not taken up for revision	Alga spirulina feed grade - Specification
7	IS 13451:2024	Urea Molasses Block as Ruminant Feed Supplement Specification First Revision
8	IS 1374:2024	Chicken Feeds - Specification Sixth Revision
9	IS 14275:1995 Reviewed In : 2024	Technical requirements for urea molasses liquid drought feed for cattle
10	IS 14325:2013 Reviewed In : 2023	Bypass protein feed for cattle - Specification First Revision
11	IS 14702:2022 ISO 10993-9: 2019	Solvent Extracted Undecorticated Sunflower Oilcake as Livestock Feed Ingredient Specification
12	IS 1664:2002 Reviewed In : 2022	Mineral mixtures for supplementing cattle feeds - Specification Fourth Revision
13	IS 1712:2022 IEC 62787:2021	Cottonseed Oilcake as Livestock Feed Ingredient Specification
14	IS 1713:2022 ISO 9680:2021	Decorticated Groundnut Oilcake as Livestock Feed Ingredient Specification
15	IS 18522:2023	SOLVENT EXTRACTED MUSTARD AND RAPESEED OILCAKE MEAL AS LIVESTOCK FEED INGREDIENT SPECIFICATION
16	IS 18523:2023	Solvent Extracted Soybean Oilcake Meal as Livestock Feed Ingredient Specification
17	IS 18524:2023	WHOLE GRAIN AS LIVESTOCK FEED INGREDIENT SPECIFICATION
18	IS 18525:2023	Guar Korma as Livestock Feed Ingredient Specification
19	IS 18526:2023	PALM KERNEL OILCAKE EXPELLER PRESSED AS LIVESTOCK FEED INGREDIENT SPECIFICATION
20	IS 18791:2024	CALCITE POWDER CaCO3 ANIMAL FEED GRADE SPECIFICATION
21	IS 18792:2024	COMPOUNDED FEED FOR BUFFALO - SPECIFICATION
22	IS 19033:2023	GUAR CHUNI AS LIVESTOCK FEED INGREDIENT SPECIFICATION
23	IS 1932:2022 ISO 16610-22:2015	Mustard and Rapeseed Oilcake as Livestock Feed Ingredient Specification
24	IS 1934:2016 Reviewed In : 2021	Sesamum oilcake as livestock feed ingredient - Specification Second Revision
25	IS 1935:2022 ISO 18310-1 : 2017	Linseed Oilcake as Livestock Feed Ingredient Specification

26	IS 1942:1968 Reviewed In : 2024	Specification for bone - Meal as Poultry feed supplement First Revision
27	IS 2052:2023 ISO 17761 : 2015	Compounded feeds for cattle Specification
28	IS 2151:2022 ISO 16635-1:2013	Maize Germ Oilcake as Livestock Feed Ingredient Specification
29	IS 2152:2013 Reviewed In : 2023	Maize gluten as livestock feed ingredient - Specification Second Revision
30	IS 2153:2022	Maize Bran as Livestock Feed Ingredient Specification
31	IS 2154:2014 Reviewed In : 2024	Coconut oilcake as livestock feed ingredient - Specification Third Revision
32	IS 2239:2022 ISO 18310-2 : 2021	Wheat Bran as Livestock Feed Ingredient Specification
33	IS 3160:2022 ISO 28057: 2019	Tur Chuni as Livestock Feed Ingredient Specification
34	IS 3161:2022 ISO 15253:2021	Gram Chuni as Livestock Feed Ingredient Specification
35	IS 3163:2022 ISO 8466-1:2021	Rice Polish as Livestock Feed Ingredient Specification
36	IS 3440:2024	SOLVENT EXTRACTED LINSEED MEAL DE-OILED CAKE AS LIVESTOCK FEED INGREDIENT SPECIFICATION
37	IS 3441:2022	Solvent Extracted Groundnut Oil Cake as Livestock Feed Ingredient Specification
38	IS 3592:2024	Solvent Extracted Decorticated Cottonseed Meal De-oiled Cake as Livestock Feed Ingredient Specification Third Revision
39	IS 3593:2022	Solvent Extracted Rice Bran DeOiled Rice Bran as Livestock Feed Ingredient Specification
40	IS 3648:2024	RICE BRAN AS LIVESTOCK FEED INGREDIENT SPECIFICATION
41	IS 4193:2022 ISO 22665:2012	Guar Meal as Livestock Feed Ingredient Specification
42	IS 4307:1983 Reviewed In : 2024	Specification for fish meal as livestock feed ingredient Second Revision
43	IS 5065:1986 Reviewed In : 2021	Specification for meat meal as livestock feed ingredient First Revision
44	IS 5470:2002 Reviewed In : 2022	Dicalcium phosphate animal feed grade - Specification First Revision
45	IS 5560:2024	Compounded Feeds for Young Stock Specification First Revision
46	IS 5654 (Part 1):1970 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for feeds for laboratory animals Part 1 rats and mice
47	IS 5654 (Part 2):1970 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for feeds for laboratory animals Part 2 guinea pigs
48	IS 5654 (Part 3):1983 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for feeds for laboratory animals Part 3 monkeys
49	IS 5672:1992 Reviewed In : 2024	Mineral mxtures for supplementing poultry feeds - Specification First Revision
50	IS 5862:2022 ISO 19980:2021	Solvent Extracted Nigerseed Oilcake Meal as Livestock Feed Specification
51	IS 6107:1971 Reviewed In : 2024	Specification for dried silk worm pupae as livestock feed
52	IS 6242:1985	Specification for solvent extracted undecorticated safflower oilcake as livestock feed ingredient

	Reviewed In : 2024 Decision taken to Reaffirm and Archive	First Revision
53	IS 7060:1973 Reviewed In : 2024	Specification for blood meal as livestock feed
54	IS 7472:2024	Pig Feeds -Specification second revision
55	IS 920:1972 Reviewed In : 2022	Specification for common salt and cattle licks for animal consumption First Revision
56	IS 9863:1992 Reviewed In : 2022	Nutrient requirements for poultry First Revision
57	IS 9867:1981 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for parboiled rice bran as livestock feed ingredient