

Our Test Capabilities Industry wise

Sr. No.	Industries	Product	Test	Method
1	Animalfeed Manufacturing industries and Distributors of animal feeds (Pashu Aahar)	Animal Feed/ Extraction Meal (Soyaben Meal, Cotton Seed meal, Corn meal, Castor Meal, Castor DOC, Soya DOC, Cotton seed DOC, Rape seed meal etc.	Moisture	IS : 7874 (Part 1) :1975 (RA:2014), ISO 6496 : 1999
			Fat / Oil	IS : 7874 (Part 1) :1975 (RA:2014) , ISO 6492 : 1999
			Fat/Oil (For Rice bran)	IS : 7874 (Part 1) :1975 (RA:2014)
			Crude Fibre	IS : 7874 (Part 1) :1975 (RA:2014), ISO 6865 : 2000
			Ash	IS : 7874 (Part 1) :1975 (RA:2014) , ISO 5984 : 2002
			Acid Insoluble Ash/Sand Silica	IS : 7874 (Part 1) :1975 (RA:2014) , ISO 5985 : 2002
			Crude Protein (N x 6.25)	IS : 7874 (Part 1) :1975 (RA:2014) , ISO 5983-1 : 2005, ISO 5983-2 : 2009
			Urease Activity (Soyabean Meal, Soya DOC)	ISO 5506 : 1988
2	Pet and Poultry Manufacturing industries and Distributors of Pet and Poltry feeds	Poultry feed	Moisture	IS : 1374 : 2007/ IS : 7874 (Part 1) :1975 (RA:2014)
			Fat / Oil	IS : 1374 : 2007/ IS : 7874 (Part 1) :1975 (RA:2014)
			Acid Insoluble Ash/Sand Silica	IS : 1374 : 2007/ IS : 7874 (Part 1) :1975 (RA:2014)
			Crude Protein (N x 6.25)	IS : 1374 : 2007/ IS : 7874 (Part 1) :1975 (RA:2014)
			Ash	IS : 1374 : 2007/ IS : 7874 (Part 1) :1975 (RA:2014)
3	Edible Oil Refineries (Edible Oil) Manufacturing industries and Distributors of Oil products	OIL PRODUCTS: Castor oil, Palmolein Oil, Soyabean oil, Ground Nut oil, Cotton seed oil, Sesame oil, Sunflower oil, 12 Hydroxy stearic acid(12HSA),Hydrogenated Castor Oil (HCO) Flakes, Cocconut Oil etc	Moisture & Volatile Matter	IS: 548 (Part I) 1964 (RA : 2015)
			Insoluble Impurities	IS: 548 (Part I) 1964 (RA : 2015)
			Colour by Lovibond Tintometer(Y & R)	IS: 548 (Part I) 1964 (RA : 2015)
			Refractive Index	IS: 548 (Part I) 1964 (RA : 2015)
			Specific gravity	IS: 548 (Part I) 1964 (RA : 2015)
			Saponification value	IS: 548 (Part I) 1964 (RA : 2015)
			Iodine value	IS: 548 (Part I) 1964 (RA : 2015)
			Acid value	IS: 548 (Part I) 1964 (RA : 2015)
			Unsaponifiable matter	IS: 548 (Part I) 1964 (RA : 2015)
			Peroxide value	IS: 548 (Part I) 1964 (RA : 2015)

4	Edible Oil Refineries (Edible Oil) Manufacturing industries and Distributors of Oil products	OIL PRODUCTS: Sesame Oil, Castor oil, Groundnut oil, Cottonseed oil,	Hydroxyl value	IS: 548 (Part I) 1964 (RA : 2015)
			Acetyl value	IS: 548 Part-1 : 1964 (RA : 2015)
			Free fatty acid	IS: 548 (Part-I) 1964 (RA : 2015)
			Adulteration Tests	IS 548 P-2 1976 (RA :2010)
			Boudoin Test	
			Mineral Oil Test	
			Bellier Turbidity Test	
Hexabromide Test				
Castor oil Test				
5	Edible Oil Seed processor, and Distributors / Mandies and Exporters of Oil seed products	OIL SEEDS : Sesame seeds, Groundnut, Mustard seeds, Sunflower seeds, Saff flower seeds , Cotton seed, Castor Seed , Soyaben Seed	Moisture	IS: 3579:1966 (RA :2015), ISO : 665 :2000(for Groundnut)
			Moisture (in Soyabean Seed)	IS : 4333 (Part II) 2002 (RA :2012) / ISO : 712 :1998
			Oil	IS : 3579 : 1966 (RA :2015)
			FFA/ Acid Value(of extracted oil)	IS: 548 P-1 :1964 (RA :2015), IS 3579:1966 (RA: 2015)
6	Edible Oil Seed processor, and Distributors / Mandies and Exporters of Oil seed products	OIL SEED Sesame Seed, Ground nut, Mustard seed, Soyabean, Sunflower seed, Cotton Seed, Safflower , Castor Seed etc	Foreign matter or Impurity or Admixture or Extraneous matter	IS : 3579 : 1966 (RA: 2015)
			Damaged	IS : 3579 : 1966 (RA: 2015)
			Weevilled Seed/Weevilled Damage	IS : 3579 : 1966 (RA: 2015)
7	Texttile and Dyes and Intermediate industries ,Agri and Food Processing, Animal feed processing, Oil refinery,	Water, Ground Water, Industrial water	Organoleptic Tests	
			Colour	IS : 3025 (Part 4) :1983 (RA :2012), APHA 23rd Edition 2017
			Odour	IS : 3025 (Part 5) :1983 (RA :2012)
			pH	IS : 3025 (Part 11) :1983 (RA :2012),Chp-4500H+ - APHA 23rd Edition 2017
			Taste	IS : 3025 (Part 7) : 1984 (RA :2012) , IS : 3025 (Part 8) :1984 (RA :2012)
			Turbidity	IS : 3025 (Part 10) : 1984 (RA :2012), APHA 23rd edition 2017Chp-2130B
			Total Dissolved Solids	IS : 3025 (Part 16) : 1984 (RA :2012), APHA 23rd Edition 2017
			Ammonia as Total Ammonia-N/ ammonical Nitrogen	IS : 3025 (Part 34) :1988 (RA :2014), Chp-4500NH3 - APHA 23rd Editon 2017
			Anionic Detergents as MBAS	IS : 13428 : 2005 (RA:2014) Annx K
			Calcium as Ca	IS : 3025 (Part 40) :1991 (RA :2014) ,Chp-3500Ca - APHA 23rd edition 2017

			Chloramine as Cl ₂ *	IS : 3025 (Part 26) :1986 (RA :2014)
			Chloride as Cl	IS : 3025 (Part 32) :1988 (RA :2014), Chp-4500Cl-APHA 23rd edition 2017
			Fluoride as F	IS : 3025 (Part 60) : 2008 (RA :2013), Chp-4500F-D - APHA 23rd edition 2017
			Free Residual Chlorine	IS : 3025 (Part 26) :1986 (RA :2014)
			Magnesium as Mg	IS : 3025 (Part 46) :1994 (RA :2014), Chp-3500Mg - APHA 23rd editon 2017
			Nitrate as NO ₃	IS : 3025 (Part 34) :1988 (RA :2014), Chp-4500NO ₃ - APHA 23rd Edition 2017
			Phenolic Compound	IS : 3025 (Part 43) :1992 (RA :2014)
			Sulfate as SO ₄	IS : 3025 (Part 24) :1986 (RA :2014), Chp-4500 SO ₄ - APHA 23rd Edition.
			Sulfide	IS : 3025 (Part 29): 1986 (RA :2014)
			Total Alkalinity as CaCO ₃	IS : 3025 (Part 23) :1986 (RA :2014), APHA 23rd Edition . Chp-2320B
			Total Hardness as CaCO ₃	IS : 3025 (Part 21) : 2009 (RA :2014), Chp-2340C - APHA 23rd Edition 2017
			Cyanide as CN	IS : 3025 (Part 27):1994 (RA :2014)
			Mineral Oil (Oil & Grease)	IS : 3025 (Part 39) :1991 (RA :2014), Chp-5520B - APHA 23rd edition 2017
			Bromate as BrO ₃	ISO 15061 : 2001
			Aluminium as Al	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P55
			Copper as Cu	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P42
			Iron as Fe	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P53
			Selenium as Se	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P56
			Silver as Ag	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 13428 Annx J
			Zinc as Zn	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P49

			Sodium as Na	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P45
			Barium as Ba	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 13428 Annx F
			Boron as B	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P57
			Manganese as Mn	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) ,IS 3025 P59
			Toxic Elements	
			Cadmium as Cd	SOP(NARL-TP-CH-011) Ref : IS : 3025 (Part 2) : 2004 (RA :2014) , IS 3025 P41, APHA 23rd Edition 2017
			Lead as Pb	SOP(NARL-TP-CH-011) Ref : IS : 3025 (Part 2) : 2004 (RA :2014) , IS 3025 P47, APHA 23rd Edition 2017
			Mercury as Hg	SOP(NARL-TP-CH-011) Ref : IS : 3025 (Part 2) : 2004 (RA :2014) , IS 3025 P48, APHA 23rd Edition 2017
			Molybdenum as Mo	SOP(NARL-TP-CH-011) Ref: IS : 3025 (Part 2) : 2004 (RA :2014) , APHA 23rd Edition 2017
			Nickel as Ni	SOP(NARL-TP-CH-011) Ref : IS : 3025 (Part 2) : 2004 (RA :2014) , IS 3025 P54, APHA 23rd Edition 2017
			Arsenic as As	SOP(NARL-TP-CH-011) Ref : IS : 3025 (Part 2) : 2004 (RA :2014) , IS 3025 P37, APHA 23rd Edition 2017
			Chromium as Cr	SOP(NARL-TP-CH-011) Ref : IS : 3025 (Part 2) : 2004 (RA :2014) , IS 3025 P52, APHA 23rd Edition 2017
			Pesticide Residues	
			o,p DDE	SOP (NARL-TP-CH-012) Ref : APHA 6630, AOAC 20th Edition, USEPA 508,USEPA 8141A,USEPA 1657A,USEPA 515.1,525.2,507, IS 14543 : 2016, IS : 10500 :2012
			P,p DDE	
			o,p DDD	
			o,p DDT	
			P,p DDT	
			P,p DDD	
			Lindane (γ HCH)	
			α HCH	
			B HCH	
			Delta HCH	
			Endosulfan I	
			Endosulfan II	

			Endosulfan Sulphate Ethion Butachlor Aldrin Dieldrin Alachor Atrazine Phorate phorate sulphoxide phorate sulphone Chlorpyrifos Methyl Parathion Paraoxon Methyl Malathion Malaaxon Monocrotophos	SOP (NARL-TP-CH-012) Ref : APHA 6630, AOAC 20th Edition, USEPA 508,USEPA 8141A,USEPA 1657A,USEPA 515.1,525.2,507, IS 14543 : 2016, IS : 10500 :2012
8	Spices and Condiments processors, Distributors, Exporters	Spices, Condiments	Physical /Purity Test Moisture & Volatile Oil, Heavy metals, Adultration test	AOAC / FSSAI METHODS

Sr. No.	Industries	Product	Test	Method
1	Drugs and Pharmaceuticals, Neutraceuticals, Health care products, Vetornary products manufacturing	Finish Product: Tables, Capsule, Dry Syrup, Injectable, Raw Material: API, Water	Moisture Containt Sulphated ash LOD Assay by HPLC Relative Substance by HPLC Assay by UV Spectroscopy Assay spectra by FTIR Product and Process Validation	Indian Pharmacopea and USP/ BP/ICH Based SOPs ICH Based Guide line and SOPs
2	Cosmetic product manufacturing	Cosmetic product	Preservative Afficasy study	USP/ IP/Customer SOPs