

Laboratory Export Inspection Agency, Laboratory-Pilot Test House, E-3, MIDC, Andheri (East), Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5359

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**BIOLOGICAL TESTING**

I.	FOOD AND AGRICULTURAL PRODUCTS			
1.	Fish, Fishery Products & Sea Foods	Total plate count/Aerobic plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm
			ISO 4833-1:2013	≥10cfu/gm
			IS:5402:2012	≥10cfu/gm
		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO 7251:2005/ISO:16649-3:2015	Absent/Present/gm 3 to >1100 MPN/gm
			IS:5887, Part-1, (Reaffirmed 2009)	Absent/Present/gm 3 to >1100 MPN/gm
				≥10cfu/gm
				≥10cfu/gm
		Staphylococcus aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm
		Salmonella spp.	VIDAS AOAC (20th Edition) 2004.03	Qualitative (Present /Absent in 25g)
			ISO:6579-1:2017	
			IS:5887, Part-3 (Reaffirmed 2009)	
		Vibrio cholera	IS:5887, Part-5, (Reaffirmed 2009)	Qualitative (Present /Absent in 25g)
ISO:21872-1:2017				
Vibrio parahaemolyticus	IS:5887, Part-5, (Reaffirmed 2009)	Qualitative (Present /Absent in 25g)		
	ISO:21872-1:2017			
Vibrio vulnificus & mimicus	ISO:21872-2:2007	Qualitative (Present /Absent in 25g)		

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		Vibrio alginolyticus	USFDA-BAM, Chapter-9	Qualitative (Present /Absent in 25g)
		Listeria monocytogenes	ISO:11290-1:2017 VIDAS AOAC (20th Edition) 2004.06/2004.02	Qualitative (Present /Absent in 25g)
		Shigella spp.	ISO:21567:2004	Qualitative (Present /Absent in 25g)
		Bacillus cereus	ISO:7932:2004	≥10cfu/gm
		Enterobacteriaceae	ISO:21528-2:2017 Petrifilm AOAC (20th Edition)2003.01	≥10cfu/gm ≥10cfu/gm
		Yeast & Mould count	ISO 21527-1&2	≥10cfu/gm
			IS: 5403:1999 (Reaffirmed 2009)	≥10cfu/gm
			Petrifilm AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm
		Clostridium perfringens	ISO:7937:2004	≥10cfu/gm
		Coliform	Petrifilm AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO:4832:2006	≥10cfu/gm
			ISO:4831:2006	Qualitative (Present/Absent/gm) 3 to >1100 MPN/gm
		Sulfite reducing Clostridia	ISO: 15213:2003	≥10cfu/gm
		Faecal Coliform	USFDA-BAM, Chapter-4	<3 to >1100 MPN/g
		Faecal Streptococci	APHA FOOD Ed. 5 Chapter-10	≥10cfu/gm
2.	Meat & Meat Products	Total plate count/Aerobic plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm
			ISO 4833-1:2013	≥10cfu/gm
			IS:5402:2012	≥10cfu/gm

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		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm
		Staphylococcus aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm
		Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25g)
			IS:5887, Part-3 (Reaffirmed 2009)	
			VIDAS AOAC (20th Edition) 2004.03	
		Vibrio cholera	IS:5887, Part-5,(Reaffirmed 2009)	Qualitative (Present /Absent in 25g)
			ISO:21872-1:2017	
		Vibrio parahaemolyticus	IS:5887, Part-5,(Reaffirmed 2009)	Qualitative (Present /Absent in 25g)
			ISO:21872-1:2017	
		Vibrio alginolyticus	USFDA-BAM, Chapter-9	Qualitative (Present /Absent in 25g)
		Listeria monocytogenes	ISO:11290-1:2017	Qualitative (Present /Absent in 25g)
			VIDAS AOAC (20th Edition) 2004.06/2004.02	
		Shigella spp.	ISO:21567:2004	Qualitative (Present /Absent in 25g)
		Bacillus cereus	ISO:7932:2004	≥10cfu/gm

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		Enterobacteriaceae	ISO:21528-2:2017	≥10cfu/gm
			Petrifilm AOAC (20th Edition)2003.01	≥10cfu/gm
			ISO 21527-1&2	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 997.02//2014.05	≥10cfu/gm
			IS: 5403:1999 (Reaffirmed 2009)	≥10cfu/gm
		Clostridium perfringens	ISO:7937:2004	≥10cfu/gm
		Coliform	Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO:4832:2006	≥10cfu/gm
			ISO:4831:2006	Qualitative (Present/Absent/gm) 3 to >1100 MPN/gm
		Sulfite reducing Clostridia	ISO: 15213:2003	≥10cfu/gm
		Faecal Coliform	USFDA-BAM, Chapter-4	<3 to >1100 MPN/g
Faecal Streptococci	APHA Ed. 4 Chapter-9.3	≥10cfu/gm		
3.	Milk & Dairy Products	Total plate count/Aerobic plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm/≥1cfu/ml
			ISO 4833-1:2013	≥10cfu/gm/≥1cfu/ml
			IS:5402:2012	≥10cfu/gm/≥1cfu/ml
		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm/≥1cfu/ml
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm/≥1cfu/ml
			ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/gm/ml) 3 to >1100 MPN/gm
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/gm/ml) 3 to >1100 MPN/gm
				≥10cfu/gm/≥1cfu/ml

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		Staphylococcus aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm/≥1cfu/ml
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm/≥1cfu/ml
		Salmonella spp.	VIDAS AOAC (20th Edition) 2004.03	Qualitative (Present /Absent in 25g/ml)
			ISO:6579:2002 amendment.1:2007	
			IS:5887, Part-3 (Reaffirmed 2009)	
		Listeria monocytogenes	ISO:11290-1:2017	Qualitative (Present /Absent in 25g/ml)
			VIDAS AOAC (20th Edition) 2004.06/2004.02	
		Shigella spp.	ISO:21567:2004	Qualitative (Present /Absent in 25g/ml)
		Bacillus cereus	ISO:7932:2004	≤10cfu/g, ≥1cfu/ml
		Enterobacteriaceae	ISO:21528-2:2017	≤10 cfu/gm, ≥1cfu/ml
			Petrifilm AOAC (20th Edition)2003.01	≥10cfu/gm, ≥1cfu/ml
		Yeast & Mould count	ISO 21527-1&2	≥10cfu/gm, ≥1cfu/ml
			Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm, ≥1cfu/ml
			IS: 5403:1999 (Reaffirmed 2009)	≥10cfu/gm, ≥1cfu/ml
		Clostridium perfringens	ISO:7937:2004	≥10cfu/gm, ≥1cfu/ml
		Coliform	Petrifilm-AOAC (20th Edition) 991.14	≤10 cfu/g, ≥1cfu/ml
			ISO:4832:2006	≤10 cfu/g, ≥1cfu/ml/ml
			ISO:4831:2006	Qualitative (Present/Absent/gm) 3 to >1100 MPN/gm
		Sulfite reducing Clostridia	ISO: 15213:2003	≤10 cfu/g, ≥1cfu/ml

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4.	Nuts & Nuts Products	Faecal Coliform	USFDA-BAM, Chapter-4	<3 to >1100 MPN/g
		Faecal Streptococci	APHA Ed. 4 Chapter-9.3	≤10cfu/g, ≥1cfu/ml
		Total plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm
			ISO 4833-1:2013	≥10cfu/gm
			IS:5402:2012	≥10cfu/gm
		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm ≥10cfu/gm
		Staphylococcus. aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm
		Yeast & Mould count	ISO 21527-1	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm
			IS: 5403:1999 (Reaffirmed 2009)	≥10cfu/gm
Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25g)		
	IS:5887, Part-3 (Reaffirmed 2009) VIDAS AOAC (20th Edition) 2004.03			
Shigella spp.	ISO:21567:2004	Qualitative (Present /Absent in 25g)		
5.	Herbs, Spices & Condiments	Total plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm

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			ISO 4833-1:2013	≥10cfu/gm
			IS:5402:2012	≥10cfu/gm
		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm
				≥10cfu/gm
		Staphylococcus. aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm
		Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25g)
			IS:5887, Part-3 (Reaffirmed 2009)	
			VIDAS AOAC (20th Edition) 2004.03	
		Bacillus cereus	ISO:7932:2004	≥10cfu/gm
		Yeast & Mould count	ISO 21527-2	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm
			IS: 5403:1999 (Reaffirmed 2009)	≥10cfu/gm
		Coliform	Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO:4832:2006	≥10cfu/gm
			ISO:4831:2006	Qualitative (Present/Absent/gm) 3 to >1100 MPN/gm

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6.	Fruits and Vegetables Products	Total plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm
			ISO 4833-1:2013	≥10cfu/gm
			IS:5402:2012	≥10cfu/gm
		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/gm) 3 to >1100 MPN/gm ≥10cfu/gm
		Staphylococcus. aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm
		Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25g)
			IS:5887, Part-3 (Reaffirmed 2009) VIDAS AOAC (20th Edition) 2004.03	
		Vibrio Cholera	IS:5887, Part-5,(Reaffirmed 2009)	Qualitative (Present /Absent in 25g)
			ISO 21872-1:2017	
		Coliform	Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
			ISO:4832:2006	≥10cfu/gm
ISO:4831:2006	Qualitative (Present/Absent/gm) 3 to >1100 MPN/gm			

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		Yeast & Mould count	USFDA-BAM, Chapter 18	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm
			IS: 5403:1999 (Reaffirmed 2009)	≥10cfu/gm
		Flat sour organism	APHA food 5 <sup>th</sup> Edition	≥10cfu/gm
7.	<b>Beverages (Alcoholic/Non Alcoholic)</b>	Total plate count/Aerobic plate count	Petrifilm-AOAC (20th Edition) 990.12	≥1cfu/ml
			ISO 4833-1:2013	≥1cfu/ml
			IS:5402:2012	≥1cfu/ml
		Escherichia coli	ISO:16649-2:2001	≥1cfu/ml
			Petrifilm-AOAC (20th Edition) 991.14	≥1cfu/ml
			ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/ml) 3 to >1100 MPN/ml
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/ml) 3 to >1100 MPN/ml
				≤1cfu/ml
		Staphylococcus aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥1cfu/ml
			ISO 6888-1:1999 amendment.1:2003	≥1cfu/ml
		Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25/ml)
			IS:5887, Part-3 (Reaffirmed 2009)	
			VIDAS AOAC (20th Edition) 2004.03	
	Yeast & Mould count	USFDA-BAM, Chapter 18	≥1cfu/ml	
		Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥1cfu/ml	
		IS: 5403:1999 (Reaffirmed 2009)	≥1cfu/ml	

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8.	Snacks and Instant Mixes	Coliform	Petrifilm-AOAC (20th Edition) 991.14	≥1cfu/ml
			ISO:4832:2006	≥1cfu/ml
			ISO:4831:2006	Qualitative (Present/Absent/ml) 3 to >1100 MPN/ml
		Flat sour organism	APHA food 5 <sup>th</sup> Edition	≥10cfu/gm
		Total plate count/Aerobic plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm
			ISO 4833-1:2013	≥10cfu/gm
		Escherichia coli	ISO:16649-2:2001	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
		Staphylococcus aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
			ISO 6888-1:1999 amendment.1:2003	≥10cfu/gm
		Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25g)
			VIDAS AOAC (20th Edition) 2004.03	
		Listeria monocytogenes	ISO:11290-1:1996 amendment.1:2004	Qualitative (Present /Absent in 25g)
			VIDAS AOAC (20th Edition) 2004.06/2004.02	
		Shigella spp.	ISO:21567:2004	Qualitative (Present /Absent in 25g)
Bacillus cereus	ISO:7932:2004	≥10cfu/gm		
Enterobacteriaceae	ISO:21528-2:2017	≥10cfu/gm		
	Petrifilm AOAC (20th Edition)2003.01	≥10cfu/gm		
Yeast & Mould count	ISO21527-1:2008,	≥10cfu/gm		
	Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm		

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		Coliform	ISO:4832:2006	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 991.14	≥10cfu/gm
9.	Edible Salt	Sulfite reducing Clostridia	ISO: 15213:2003	≥10cfu/gm
		Staphylococcus aureus	Petrifilm-AOAC (20th Edition) 2003.11	≥10cfu/gm
10.	Gelatin and Other Gums	Yeast & Mould count	ISO21527-1:2008,	≥10cfu/gm
			Petrifilm-AOAC (20th Edition) 997.02/2014.05	≥10cfu/gm
		Total plate count/Aerobic plate count	Petrifilm-AOAC (20th Edition) 990.12	≥10cfu/gm
			ISO 4833-1:2013	≥10cfu/gm
		Escherichia coli	ISO 7251:2005/ISO:16649-3:2015	Qualitative (Absent/Present/gm)
			IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Absent/Present/gm)
		Salmonella spp.	ISO:6579-1:2017	Qualitative (Present /Absent in 25g)
		VIDAS AOAC (20th Edition) 2004.03		
II.	WATER			
1.	Water for Processing for food industry (Water & Ice), Water for intended use of human consumption	Total plate count at 37°C & 22°C	ISO 6222:1999 IS 1622:RA 2009	≤ 1cfu/ml
		Coliform	IS 1622:RA 2009	<2 to 1600/MPN 100ml ≥1cfu/ml
			ISO:9308-1:2014	Qualitative (Present/Absent/ml) Present/Absent/250ml

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		E.coli	ISO:9308-1:2014	Qualitative (Present/Absent/100/250ml)
		Sulfite reducing clostridia	IS 13428:2014	Qualitative (Present/Absent/50ml)
		Vibrio cholera	IS:5887 Part-5: (Reaffirmed 2009)	Qualitative (Present /Absent in100ml)
		Proteolytic bacteria	IS 4251-2009	≥1cfu/ml
		Lipolytic bacteria	IS 4251-2009	≥1cfu/ml
		Pseudomonas aeruginosa	ISO 16266:2006	Qualitative (Present/Absent/100 ml)
		Faecal Coliform	IS 1622:RA 2009	<1 to 1600 /MPN100ml
		Enterococci	ISO:7899-2:2000	Qualitative (Present/Absent/250 ml)
		Clostridium perfringens (including spores)	ISO 14189:2013	Qualitative (Present/Absent/100ml)
2.	Packaged Drinking Water (other than Packaged Natural Mineral Water)	Total plate count	IS:5402:2012	≥1cfu/ml at 22° C ≥1cfuml at 37° C
		Escherichia coli	IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Staphylococcus aureus	IS:5887, Part-2:(Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Coliform	IS 5401 (part-1):2007	Qualitative (Present/Absent in 250 ml)
		Faecal Streptococci	IS:5887, Part-2:(Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Sulfite Reducing Clostridium	IS 13428:2014	Qualitative (Present/Absent in 50 ml)
		Pseudomonas aeruginosa	IS 13428:2014	Qualitative (Present/Absent in 250 ml)
		Yeast & Mold count	IS: 5403:1999 (Reaffirmed 2009)	Qualitative (Present/Absent in 50 ml)
		Salmonella spp.	IS:5887 Part-3: (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)

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3.	<b>Packaged Natural Mineral Water</b>	Vibrio cholera	IS:5887 Part-5: (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Vibrio parahaemolyticus	IS:5887 Part-5: (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Escherichia coli	IS:5887, Part-1, (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Staphylococcus aureus	IS:5887, Part-2:(Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Coliform	IS 5401 (part-1):2007	Qualitative (Present/Absent in 250 ml)
		Faecal Streptococci	IS:5887, Part-2:(Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Sulfite Reducing Clostridium	IS 13428:2014	Qualitative (Present/Absent in 50 ml)
		Pseudomonas aeruginosa	IS 13428:2014	Qualitative (Present/Absent in 250 ml)
		Yeast & Mould count	IS: 5403:1999 (Reaffirmed 2009)	Qualitative (Present/Absent in 50 ml)
		Salmonella spp.	IS:5887 Part-3: (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
		Vibrio cholera	IS:5887 Part-5: (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)
Vibrio parahaemolyticus	IS:5887 Part-5: (Reaffirmed 2009)	Qualitative (Present/Absent in 250 ml)		
<b>III.</b>	<b>ENVIRONMENT AND POLLUTION</b>			
1.	<b>SWAB (Table, Utensils, Freezing Tray, and Worker's Hand)</b>	Total plate count	ISO 4833-1:2013, ISO 18593:2004	≥4cfu/sq.cm
			Petrifilm-AOAC (20th Edition) 990.12	≥4cfu/sq.cm
		S.aureus	ISO:6888-1:1999, ISO 18593:2004	≥4cfu/sq.cm

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			Petrifilm-AOAC (20th Edition) 2003.11	≥4cfu/sq.cm
		Coliform	ISO:4832:2006, ISO 18593:2004	≥4cfu/sq.cm
			Petrifilm-AOAC (20th Edition) 991.14	≥4cfu/sq.cm
		Vibrio cholera	ISO:21872-1:2007, ISO 18593:2004	Qualitative (Present/Absent/sq.cm)
<b>IV.</b>	<b>GM PRODUCTS</b>			
<b>1.</b>	<b>Food and agricultural products (Rice and rice derived, Soya and soya derived, Maize and maize derived, Wheat and wheat derived, Black pepper, Cumin, Coriander, Rape seed and its meal)</b>	Qualitative (35S promoter and NOS terminator targeted Screening) test for detection of genetically modified organism (GMO)	PTH/MB/GEN/SOP/05 (PCR method)	Qualitative (Detected/Not detected) at LOD : 0.1%
<b>2.</b>	<b>Cotton and cotton derived</b>	Qualitative (35S promoter and NOS terminator targeted Screening) test for detection of genetically modified organism (GMO)	PTH/MB/GEN/SOP/05 (PCR method)	Qualitative (Detected/Not detected) at LOD : 0.1%

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**CHEMICAL TESTING**

I.	RESIDUES IN FOOD PRODUCTS			
1.	Fish and Fishery Products	Chloramphenicol	PTH/CHEM/SOP/001 (Date of Issue: 27.12.2017)	0.07 µg/kg to 50 µg/kg
		AOZ	PTH/CHEM/SOP/003 (Date of Issue: 09.01.2018)	0.20 µg/kg to 100 µg/kg
		AMOZ		0.25 µg/kg to 100 µg/kg
		AHD		0.37 µg/kg to 100 µg/kg
		SEM		0.16 µg/kg to 100 µg/kg
		Ronidazole	PTH/CHEM/SOP/024 (Date of Issue : 17.10.2012)	0.25 µg/kg to 20 µg/kg
		Metronidazole	PTH/CHEM/SOP/024 (Date of Issue : 17.10.2012)	0.25 µg/kg to 20 µg/kg
		Tetracycline & its 4-Epimer	PTH/CHEM/SOP/037 (Date of Issue:15.05.2012)	0.01 mg/kg to 1.0 mg/kg
		Oxytetracycline& its 4-Epimer		0.01 mg/kg to 1.0 mg/kg
		Chlortetracycline & its 4-Epimer		0.01 mg/kg to 1.0 mg/kg
		Oxolinic Acid	PTH/CHEM/SOP/004 (Date of Issue:09.01.2006)	0.01 mg/kg to 10 mg/kg
		Nitrofurazone	PTH/CHEM/SOP/046 (Date of Issue:09.01.2006)	0.5 µg/kg to 100 µg/kg
		Nitrofurantoin		0.5 µg/kg to 100 µg/kg
		Furazolidone		0.5 µg/kg to 100 µg/kg
		Furaltadone		0.5 µg/kg to 100 µg/kg
		Sulphanilamide	PTH/CHEM/SOP/028 (Date of Issue:27.02.2012)	0.005 mg/kg to 10 mg/kg
		Sulphadiazine		0.005 mg/kg to 10 mg/kg
	Sulphathiazole	0.005 mg/kg to 10 mg/kg		
	Sulphamerazine	0.005 mg/kg to 10 mg/kg		
	Sulphamethazine	0.005 mg/kg to 10 mg/kg		
	Sulphamethizole	0.005 mg/kg to 10 mg/kg		

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		Sulphamethoxy Pyridazine	PTH/CHEM/SOP/028 (Date of Issue:27.02.2012)	0.005 mg/kg to 10 mg/kg
		Sulphamethoxazole		0.005 mg/kg to 10 mg/kg
		Sulphadoxin		0.005 mg/kg to 10 mg/kg
		Sulphadimethoxin		0.005 mg/kg to 10 mg/kg
		<b>MultiResidue</b>		
		Sulfanilamide	PTH/CHEM/SOP/085 (Date of Issue 07.12.2017)	0.010 mg/kg to 10 mg/kg
		Sulfapyridine		0.010 mg/kg to 10 mg/kg
		Sulfadiazine		0.010 mg/kg to 10 mg/kg
		Sulfamethoxazole		0.010 mg/kg to 10 mg/kg
		Sulfathiazole		0.010 mg/kg to 10 mg/kg
		Sulfamerazine		0.010 mg/kg to 10 mg/kg
		Sulfamethizole		0.010 mg/kg to 10 mg/kg
		Sulfamethazine		0.010 mg/kg to 10 mg/kg
		Sulfamethoxypyridazine		0.010 mg/kg to 10 mg/kg
		Sulfadoxin		0.010 mg/kg to 10 mg/kg
		Sulfadimethoxin		0.010 mg/kg to 10 mg/kg
		Tetracycline & its 4-Epimer		0.010 mg/kg to 10 mg/kg
		Oxytetracycline& its 4-Epimer		0.010 mg/kg to 10 mg/kg
		Chlortetracycline & its 4-Epimer		0.010 mg/kg to 10 mg/kg
		Ciprofloxacin		0.010 mg/kg to 10 mg/kg
		Enrofloxacin		0.010 mg/kg to 10 mg/kg
		Norfloxacin		0.010 mg/kg to 10 mg/kg
		Sarafloxacin		0.010 mg/kg to 10 mg/kg
		Danofloxacin		0.010 mg/kg to 10 mg/kg
		Difloxacin	0.010 mg/kg to 10 mg/kg	
		Oxolinic Acid	0.010 mg/kg to 10 mg/kg	
		Nalidixic Acid	0.010 mg/kg to 10 mg/kg	
		Flumequine	0.010 mg/kg to 10 mg/kg	

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		Enrofloxacin including ciprofloxacin	PTH/CHEM/SOP/045 (Date of Issue : 07.09.2013)	0.010 mg/kg to 10 mg/kg
		Nalidixic Acid	PTH/CHEM/SOP/070 (Date of Issue:09.11.2015)	0.010 mg/kg to 10 mg/kg
		Alpha-BHC	PTH/CHEM/SOP/016/026 (Date of Issue:15.07.2011)	10 µg/kg to 5000 µg/kg
		Beta-BHC		10 µg/kg to 5000 µg/kg
		Gamma-BHC		10 µg/kg to 5000 µg/kg
		Delta-BHC		10 µg/kg to 5000 µg/kg
		Aldrin		10 µg/kg to 5000 µg/kg
		Dieldrin		10 µg/kg to 5000µg/kg
		Endrin		10 µg/kg to 5000 µg/kg
		4,4' DDT		10 µg/kg to 5000 µg/kg
		Histamine	PTH/CHEM/SOP/030 (Date of Issue:15.02.2012)	10 mg/kg to 500 mg/kg
		Allura Red	PTH/CHEM/SOP/048 (Date of Issue:03.12.2012)	5.0 µg/kg to 200 µg/kg
		Ethoxyquin	PTH/CHEM/SOP/016/042 (Date of Issue:13.05.2016)	0.005 mg/kg to 10 mg/kg
		Pendimethalin	PTH/CHEM/SOP/066-SANCO 12571/2013 (Date of Issue: 04.02.2014 )	5.0 µg/kg to 100 µg/kg
		Malachite Green	PTH/CHEM/SOP/065 (Date of Issue : 26.09.2012)	0.5 µg/kg to 100 µg/kg
		Leuco malachite Green		0.5 µg/kg to 100 µg/kg
		Crystal Violet		0.5 µg/kg to 100 µg/kg
		Leuco Crystal Violet		0.5 µg/kg to 100 µg/kg
		<b>Trace metals</b>		
		Arsenic	PTH/CHEM/SOP/084 (Date of Issue: 01.08.2017)	0.05 mg/kg to 100 mg/kg
		Cadmium		0.05 mg/kg to 10 mg/kg
		Lead		0.05 mg/kg to 10 mg/kg
		Mercury		0.05 mg/kg to 10 mg/kg
		Nickel		0.05 mg/kg to 10 mg/kg
		Chromium		0.1 mg/kg to 50 mg/kg
		Tin		2.5 mg/kg to 400 mg/kg

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2.	Milk & Milk Products	Zinc	PTH/CHEM/SOP/012 (Date of Issue:03.11.2007)	2.5 mg/kg to 500 mg/kg
		Copper		0.2 mg/kg to 50 mg/kg
		Chloramphenicol	PTH/CHEM/SOP/002 (Date of Issue : 08.12.2006)	0.15 µg/kg to 50 µg/kg
		AOZ	PTH/CHEM/SOP/015 (Date of Issue : 10.10.2007)	0.5 µg/kg to 100 µg/kg
		AMOZ		0.5 µg/kg to 100 µg/kg
		AHD		0.5 µg/kg to 100 µg/kg
		SEM		0.5 µg/kg to 100 µg/kg
		Ronidazole	PTH/CHEM/SOP/024 (Date of Issue : 18.03.2011)	0.5 µg/kg to 100 µg/kg
		Metronidazole		0.5 µg/kg to 100 µg/kg
		Tetracycline & its 4-Epimer	PTH/CHEM/SOP/036 (Date of Issue : 15.05.2012)	10 µg/kg to 1000 µg/kg
		Oxytetracycline& its 4-Epimer		10 µg/kg to 1000 µg/kg
		Chlortetracycline & its 4-Epimer		10 µg/kg to 1000 µg/kg
		Sulphanilamide	PTH/CHEM/SOP/032 (Date of Issue : 08.03.2012)	5 µg/kg to 5000 µg/kg
		Sulphadiazine		5 µg/kg to 5000 µg/kg
		Sulphathiazole		5 µg/kg to 5000 µg/kg
		Sulphamerazine		5 µg/kg to 5000 µg/kg
		Sulphamethazine		5 µg/kg to 5000 µg/kg
		Sulphamethizole		5 µg/kg to 5000 µg/kg
		Sulphamethoxy Pyridazine		5 µg/kg to 5000 µg/kg
		Sulphamethoxazole		5 µg/kg to 5000 µg/kg
		Sulphadoxin		5 µg/kg to 5000 µg/kg
Sulphadimethoxin		5 µg/kg to 5000 µg/kg		
Dihydrostreptomycin including streptomycin	PTH/CHEM/SOP/051 (Date of Issue : 10.12.2012)	100 µg/kg to 2000 µg/kg		
Gentamicin		25 µg/kg to 1000 µg/kg		
Neomycin		250 µg/kg to 5000 µg/kg		
Spectinomycin		50 µg/kg to 2000 µg/kg		
Kanamycin		25 µg/kg to 2000µg/kg		

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		Spiramycin	PTH/CHEM/SOP/038 (Date of Issue : 21.05.2012)	50 µg/kg to 2000 µg/kg
		Tylosin		10 µg/kg to 500 µg/kg
		Tilmicosin		10 µg/kg to 500 µg/kg
		Erythromycin		10 µg/kg to 500 µg/kg
		Thiamphenicol	PTH/CHEM/SOP/050 (Date of Issue : 05.12.2012)	10 µg/kg to 500µg/kg
		Phenylbutazone		2.5 µg/kg to 500 µg/kg
		Trimethoprim	PTH/CHEM/SOP/045 (Date of Issue : 05.09.2012)	10 µg/kg to 500 µg/kg
		Enrofloxacin including ciprofloxacin		25 µg/kg to 1000 µg/kg
		Doxycycline	PTH/CHEM/SOP/039 (Date of Issue : 15.05.2012)	2.5 µg/kg to 500 µg/kg
		Albendazole	PTH/CHEM/SOP/040 (Date of Issue : 11.06.2012)	2 µg/kg to 1000 µg/kg
		Fenbendazole		2 µg/kg to 500 µg/kg
		Morantel		2 µg/kg to 500 µg/kg
		Ivermectin		2.5 µg/kg to 500 µg/kg
		<b>Total residual antibiotics</b> (as Beta Lactum) Penicillin-G, Ampicillin, Amoxicillin, Cefacetriple, Cefalexin, Cefalonium, Cefaperazon, Cefapirin, Ceftiofur, Cloxacillin, Dicloxacillin, Oxacillin, Nafcillin	PTH/CHEM/SOP/21 (Date of Issue : 10.05.2010)	Qualitative (Present/Absent)
		Aflatoxin M1	PTH/CHEM/SOP/017 (Date of Issue : 23.03.2009)	0.01 µg/kg to 100 µg/kg
		Dichlorovos	PTH/CHEM/SOP/025 (Date of Issue : 14.03.2011)	10.0 µg/kg to 200 µg/kg
		Parathion Methyl		10.0 µg/kg to 200 µg/kg
		Malathion		10.0 µg/kg to 200 µg/kg
		Ethion		10.0 µg/kg to 200 µg/kg
		Phosalone		10.0 µg/kg to 200 µg/kg

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		Fenthion	PTH/CHEM/SOP/025	10.0 µg/kg to 200 µg/kg
		Diazinon	(Date of Issue : 14.03.2011)	10.0 µg/kg to 200 µg/kg
		Aldrin	PTH/CHEM/SOP/034	1.0 µg/kg to 100.0 µg/kg
		Dieldrin	(Date of Issue 02.04.2012)	1.0 µg/kg to 100.0 µg/kg
		Chlordane (cis& trans)		1.0 µg/kg to 100.0 µg/kg
		Heptachlor		1.0 µg/kg to 100.0 µg/kg
		Methoxychlor		1.0 µg/kg to 100.0 µg/kg
		Endosulfan		1.0 µg/kg to 100.0 µg/kg
		Gamma BHC		1.0 µg/kg to 100.0 µg/kg
		Heptachlor epoxide		1.0 µg/kg to 100.0 µg/kg
		Beta endosulfan		1.0 µg/kg to 100.0 µg/kg
		Endosulfansulfate		1.0 µg/kg to 100.0 µg/kg
		<b>Trace metal</b>		
		Arsenic	PTH/CHEM/SOP/035	0.01 mg/kg to 10 mg/kg
		Cadmium	(Date of Issue : 03.04.2012)	0.02 mg/kg to 10 mg/kg
		Lead		0.008 mg/kg to 10 mg/kg
		Mercury		0.02 mg/kg to 10 mg/kg
		Tin		1 mg/kg to 400 mg/kg
		Zinc		2.5 mg/kg to 500 mg/kg
3.	Honey	Chloramphenicol	PTH/CHEM/SOP/022 (Date of Issue : 02.07.2010)	0.15 µg/kg to 50 µg/kg
		AHD	PTH/CHEM/SOP/027	0.5 µg/kg to 100 µg/kg
		AMOZ	(Date of Issue : 29.11.2011)	0.5 µg/kg to 100 µg/kg
		AOZ		0.5 µg/kg to 100µg/kg
		SEM		0.5 µg/kg to 100µg/kg
		Ronidazole	PTH/CHEM/SOP/024	0.5 µg/kg to 100 µg/kg
		Metronidazole	(Date of Issue : 18.03.2011)	0.5 µg/kg to 100 µg/kg
		Sulphanilamide	PTH/CHEM/SOP/065,	5 µg/kg to 5000 µg/kg
		Sulphadiazine	(Date of Issue : 08.03.2012)	5 µg/kg to 5000 µg/kg
		Sulphathiazole		5 µg/kg to 5000µg/kg
		Sulphamerazine		5 µg/kg to 5000 µg/kg
		Sulphamethazine		5 µg/kg to 5000 µg/kg
		Sulphamethizole		5 µg/kg to 5000 µg/kg

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		Sulphamethoxy Pyridazine	PTH/CHEM/SOP/065, (Date of Issue : 08.03.2012)	5 µg/kg to 5000 µg/kg
		Sulphamethoxazole		5 µg/kg to 5000 µg/kg
		Sulphadoxin		5 µg/kg to 5000 µg/kg
		Sulphadimethoxin		5 µg/kg to 5000 µg/kg
		Dihydrostreptomycin including streptomycin	PTH/CHEM/SOP/051 (Date of Issue : 10.12.2012)	2.5 µg/kg to 100 µg/kg
		Tetracycline & its 4-Epimer	PTH/CHEM/SOP/041, (Date of Issue : 10.07.2012)	2.5 µg/kg to 500 µg/kg
		Oxytetracycline & its 4-Epimer		2.5 µg/kg to 500 µg/kg
		Chlortetracycline & its 4-Epimer		2.5 µg/kg to 500 µg/kg
		Doxycycline		2.5 µg/kg to 500 µg/kg
		Tylosin	PTH/CHEM/SOP/038, (Date of Issue: 21.05.2012 )	2.5 µg/kg to 500µg/kg
		Amitraz	PTH/CHEM/SOP/047, (Date of Issue : 08.10.2012	50 µg/kg to 5000 µg/kg
		Enrofloxacin including ciprofloxacin	PTH/CHEM/SOP/045 (Date of Issue : 05.09.2012)	25 µg/kg to 5000 µg/kg
		Aldrin and dieldrin as dieldrin	PTH/CHEM/SOP/044 (Date of Issue : 26.09.2012)	1 µg/kg to 500 µg/kg
		Chlorobenzealate		1 µg/kg to 500 µg/kg
		DDT 4 4'		1 µg/kg to 1000 µg/kg
		Endosulfan (sum of α & β isomer and endosulfan sulphate expressed as endosulfan)		1 µg/kg to 500 µg/kg
		BHC (α & β isomer)		1 µg/kg to 500 µg/kg
		BHC-Gamma (Lindane)		1 µg/kg to 500 µg/kg
		Vinclozolin		1 µg/kg to 500 µg/kg

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		Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	PTH/CHEM/SOP/044 (Date of Issue : 26.09.2012)	1 µg/kg to 500 µg/kg
		Hexachlorobenzene (HCB)		1 µg/kg to 500 µg/kg
		Coumaphos	PTH/CHEM/SOP/049 (Date of Issue : 07.11.2012)	1 µg/kg to 1000 µg/kg
		Malathion		1 µg/kg to 500 µg/kg
		Phosalone		1 µg/kg to 1000 µg/kg
		Cyfluthrin (sum of isomers 1 & 2)	PTH/CHEM/SOP/063 (Date of Issue : 07.11.2012)	1 µg/kg to 500 µg/kg
		Cyhalothrin (sum of isomers)		1 µg/kg to 500 µg/kg
		Cypermethrin (sum of isomers)- alphacypermethrin1,2, 3,4		1 µg/kg to 500 µg/kg
		Deltamethrin		1 µg/kg to 500 µg/kg
		Permethrin (sum of isomers) 1 & 2		1 µg/kg to 500 µg/kg
		Fenvalerate (sum of RR, SS, RS and SR isomers)1&2		1 µg/kg to 500 µg/kg
		Carbaryl	PTH/CHEM/SOP/056 (Date of Issue : 10.06.2013)	0.5 mg/kg to 10.0 mg/kg
		Carbofuran		25 µg/kg to 2000 µg/kg
		Propoxeur		5 µg/kg to 500 µg/kg
		<b>Trace Metals</b>		
		Cadmium	PTH/CHEM/SOP/055 (Date of Issue : 03.12.2012)	0.05 mg/kg to 10 mg/kg
		Lead		0.05 mg/kg to 10 mg/kg
4.	Basmati Rice	Carbendazim (reported with Benomyl)	PTH/CHEM/SOP/068 (Date of Issue : 10.03.2014)	5 µg/kg to 5000 µg/kg
		Primiphos-methyl		0.005 mg/kg to 100 mg/kg
		Imidacloprid		0.005 mg/kg to 100 mg/kg

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		Triazophos	PTH/CHEM/SOP/068 (Date of Issue : 10.03.2014)	5 µg/kg to 5000 µg/kg
		Buprofezin		5 µg/kg to 5000 µg/kg
		Tricyclazole		5 µg/kg to 5000 µg/kg
		Thiophanate methyl		5 µg/kg to 5000 µg/kg
		Isoprothiolane		0.005 mg/kg to 100 mg/kg
		Cyfluthrin		5 µg/kg to 5000 µg/kg
		Flonicamid (Sum of Flonicamid and TFNA)		5 µg/kg to 5000 µg/kg
		Metconazole		5 µg/kg to 5000 µg/kg
		Prothioconazole		5 µg/kg to 5000 µg/kg
		Tebuconazole		0.005 µg/kg to 100 mg/kg
		Bifenthrin		5 µg/kg to 5000 µg/kg
		Carbofuran		5 µg/kg to 5000 µg/kg
		Clorpyrifos		5 µg/kg to 5000 µg/kg
		Clothianidin		0.005 mg/kg to 100 mg/kg
		Methamidophos		5 µg/kg to 5000 µg/kg
		Profenofos		5 µg/kg to 5000 µg/kg
		Propeconazole		0.005 mg/kg to 100 mg/kg
		Thiomethaxam		5 µg/kg to 5000 µg/kg
		Acephate		5 µg/kg to 5000 µg/kg
		Tebuconazole	0.005 mg/kg to 100 mg/kg	
		Total Aflatoxin	PTH/CHEM/SOP/064 (Date of Issue : 18.08.2014)	0.5 µg/kg to 1000 µg/kg
		Aflatoxin B1		0.5 µg/kg to 1000 µg/kg
		Aflatoxin B2		0.5 µg/kg to 1000 µg/kg
		Aflatoxin G1		0.5 µg/kg to 1000 µg/kg
		Aflatoxin G2		0.5 µg/kg to 1000 µg/kg
5.	Fruits and Vegetables	Aldrin	PTH/CHEM/SOP/044 (Date of Issue : 09.11.2011)	0.005 mg/kg to 10 mg/kg
		Dieldrin		0.005 mg/kg to 10 mg/kg
		4,4'-DDT	PTH/CHEM/SOP/049	0.005 mg/kg to 10 mg/kg
		Endrin	(Date of Issue : 07.11.2012)	0.005 mg/kg to 10 mg/kg
		Alpha-BHC		0.005 mg/kg to 10 mg/kg
		Beta-BHC		0.005 mg/kg to 10 mg/kg
		Gamma-BHC		0.005 mg/kg to 10 mg/kg

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		Delta-BHC	PTH/CHEM/SOP/044	0.005 mg/kg to 10 mg/kg
		Dichlorovos	(Date of Issue : 09.11.2011)	0.005 mg/kg to 10 mg/kg
		Parathion Methyl	PTH/CHEM/SOP/049	0.005 mg/kg to 10 mg/kg
		Malathion	(Date of Issue : 07.11.2012)	0.005 mg/kg to 10 mg/kg
		Ethion		0.005 mg/kg to 10 mg/kg
		Phosalone		0.005 mg/kg to 10 mg/kg
		Fenthion		0.005 mg/kg to 10 mg/kg
		Diazinon		0.005 mg/kg to 10 mg/kg
		Thiobendazole		0.005 mg/kg to 10 mg/kg
		Imazalil		0.005 mg/kg to 10 mg/kg
		Fludioxanil		0.005 mg/kg to 10 mg/kg
		Imidacloprid		0.005 mg/kg to 10 mg/kg
		Malaxon		0.005 mg/kg to 10 mg/kg
		Dimethoate		0.005 mg/kg to 10 mg/kg
		Carbendazim including Benomyl		0.005 mg/kg to 10 mg/kg
		Endosulfan		0.005 mg/kg to 10 mg/kg
		Monocrotophos		0.005 mg/kg to 10 mg/kg
		Methamidophos		0.005 mg/kg to 10.0 mg/kg
		Omethoate		0.005 mg/kg to 10.0 mg/kg
		Acephate		0.005 mg/kg to 10.0 mg/kg
		Thiamethoxam		0.005 mg/kg to 10.0 mg/kg
		Thiocloprid		0.005 mg/kg to 10.0 mg/kg
		Dimethoate		0.005 mg/kg to 10.0 mg/kg
		Monocrotophos		0.005 mg/kg to 10.0 mg/kg
		Acetamiprid		0.005 mg/kg to 10.0 mg/kg
		Methomyl		0.005 mg/kg to 10.0 mg/kg
		Thiabendazole		0.005 mg/kg to 10.0 mg/kg
		Imazalil		0.005 mg/kg to 10.0 mg/kg
		Carbaryl		0.005 mg/kg to 10.0 mg/kg
		Carbofuran		0.005 mg/kg to 10.0 mg/kg
		Triazophos		0.005 mg/kg to 10.0 mg/kg
		Malaaxon		0.005 mg/kg to 10.0 mg/kg

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		Thiodicarb	PTH/CHEM/SOP/044	0.005 mg/kg to 10.0 mg/kg
		Carbosulphan	(Date of Issue : 09.11.2011)	0.005 mg/kg to 10.0 mg/kg
		Indoxacarb	PTH/CHEM/SOP/049	0.005 mg/kg to 10.0 mg/kg
		Flubendiamide	(Date of Issue : 07.11.2012)	0.005 mg/kg to 10.0 mg/kg
		Spinosad A		0.005 mg/kg to 10.0 mg/kg
		Spinosad D		0.005 mg/kg to 10.0 mg/kg
		Emamectin Benzoate		0.005 mg/kg to 10.0 mg/kg
		Fludiaxonil		0.005 mg/kg to 10.0 mg/kg
6.	<b>Dietary Supplements (Food Supplements)</b>	Aldrin	PTH/CHEM/SOP/049	0.005 mg/kg to 10 mg/kg
		Dieldrin	(Date of Issue : 07.11.2012)	0.005 mg/kg to 10 mg/kg
		Chlordane (cis& trans)		0.005 mg/kg to 10 mg/kg
		Gamma BHC		0.005 mg/kg to 10 mg/kg
		Heptachlor		0.005 mg/kg to 10 mg/kg
		4,4' DDT		0.005 mg/kg to 10 mg/kg
		Fenitrothion		0.005 mg/kg to 10 mg/kg
		Chlorienvinphos		0.005 mg/kg to 10 mg/kg
		Ethion		0.005 mg/kg to 10 mg/kg
		Fenvalerate		0.005 mg/kg to 10 mg/kg
		Primiphos Methyl		0.005 mg/kg to 10 mg/kg
		2,4, D		0.005 mg/kg to 10 mg/kg
		Monocrotophos		0.005 mg/kg to 10 mg/kg
		Carbendazim including Benomyl		0.005 mg/kg to 10 mg/kg
		Carbofuran		0.005 mg/kg to 10 mg/kg
		Edifenphos		0.005 mg/kg to 10 mg/kg
		Fenthion		0.005 mg/kg to 10 mg/kg
		Phenthoate		0.005 mg/kg to 10 mg/kg
		Phorate		0.005 mg/kg to 10 mg/kg
		Arsenic	PTH/CHEM/SOP/023	0.05 mg/kg to 10 mg/kg
		Cadmium	(Date of Issue:17.10.2012)	0.05 mg/kg to 10 mg/kg
		Lead		0.05 mg/kg to 10 mg/kg
		Mercury		0.05 mg/kg to 10 mg/kg
		Copper		0.2 mg/kg to 50 mg/kg

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7.	Food Grains, Pulses, Cereals & by products	Zinc		2.5 mg/kg to 500 mg/kg
		<b>Trace metals</b>		
		Arsenic	PTH/CHEM/SOP/023 (Date of Issue:17.10.2012)	0.05 mg/kg to 100 mg/kg
		Cadmium		0.05 mg/kg to 10 mg/kg
		Lead		0.05 mg/kg to 10 mg/kg
		Mercury		0.05 mg/kg to 10 mg/kg
8.	Fruits and Vegetable products	Copper		0.2 mg/kg to 50 mg/kg
		Cadmium	PTH/CHEM/SOP/023 (Date of Issue:17.10.2012)	0.05 mg/kg to 10 mg/kg
		Lead		0.05 mg/kg to 10 mg/kg
9.	Food Additives	Mercury		0.05 mg/kg to 10 mg/kg
		Arsenic	PTH/CHEM/SOP/023 (Date of Issue:17.10.2012)	0.05 mg/kg to 100 mg/kg
		Cadmium		0.05 mg/kg to 10 mg/kg
10.	Nut & Nut products, Grains, Cereal and Cereal products, Spices, Oilseeds and byproducts	Lead		0.05 mg/kg to 10 mg/kg
		Total Aflatoxins (B1, B2, G1 & G2)	PTH/CHEM/SOP/033 (Date of Issue : 19.03.2012)	0.5 µg/kg to 1000 µg/kg
		Total Aflatoxin	PTH/CHEM/SOP/064 (Date of Issue : 18.08.2014)	0.5 µg/kg to 1000 µg/kg
		Aflatoxin B1		0.5 µg/kg to 1000 µg/kg
		Aflatoxin B2		0.5 µg/kg to 1000 µg/kg
		Aflatoxin G1		0.5 µg/kg to 1000 µg/kg
11.	Meat and Meat Products	Aflatoxin G2		0.5 µg/kg to 1000 µg/kg
		Arsenic	PTH/CHEM/SOP/023 (Date of Issue:17.10.2012)	0.05 mg/kg to 100 mg/kg
		Cadmium		0.05 mg/kg to 10 mg/kg
		Lead		0.05 mg/kg to 10 mg/kg
		Mercury		0.05 mg/kg to 10 mg/kg
II.	WATER			
1.	Water (Drinking Water, Packaged Drinking Water, Processed Water, Mineral Water)	Colour (Hazen units)	IS 3025 (Part 4): 1983 (RA : 2012)	1Hazen to 70 Hazen units
		Odour	IS 3025 (Part 5) :1983(RA 2017)	Qualitative (Agreeable/Disagreeable)

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		pH at 25°C	IS:3025: (Part 11): 1983(RA 2017)	1 to 14
		Total Solids	IS:3025 (Part 15) : 1984 (RA 2014)	10 mg/L to 10000 mg/L
		Total Hardness as CaCO <sub>3</sub>	IS:3025 (Part 21) : 2014	10 mg/L to 1000 mg/L
		Sulphate as SO <sub>4</sub>	IS:3025 (Part 24) 1984 (RA 2014)	10 mg/L to 2000 mg/L
		Fluoride as F	IS:3025 (Part 63) : 2014	1 mg/L to 5 mg/L
		Chloride as Cl	IS:3025 (Part 32) 1998 (RA 2014)	5 mg/L to 1000 mg/L
<b>III.</b>	<b>RESIDUE IN WATER</b>			
<b>1.</b>	<b>Water (Drinking Water, Packaged Drinking Water, Processed Water, Mineral Water)</b>	Manganese as Mn	EPA 200.8,Rev 5.4-1994	0.005 mg/L to 0.5 mg/L
		Calcium as Ca	IS:3025 (Part 40) 1991 (RA 2014)	1 mg/L to 1000 mg/L
		Magnesium as Mg	IS:3025 (Part 46) 1994 (RA 2014)	1 mg/L to 1000 mg/L
		Copper as Cu		0.01 mg/L to 1 mg/L
		Lead as Pb		0.005 mg/L to 0.2 mg/L
		Chromium as Cr		0.005 mg/L to 0.2 mg/L
		Zinc as Zn		0.1 mg/L to 50 mg/L
		Arsenic as As		0.005 mg/L to 0.2 mg/L
		Mercury as Hg		0.0006 mg/L to 1mg/L
		Cadmium as Cd		0.001 mg/L to 0.1 mg/L
		Nickel as Ni		0.005 mg/L to 0.2 mg/L
		Cyanide as CN		IS:3025 (Part 27) : 1986 (RA 2014)
		Nitrate as NO <sub>3</sub>	IS:3025 (Part 34) 1988 (RA 2014)	0.5 mg/L to 250 mg/L
		Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH	IS:3025 (Part 43) 1992-(RA 2014)	0.0005 mg/L to 5 mg/L
	EC at 25°C	IS:3025 (Part 14)-2013	20 µS/cm to 20000 µS/cm	
	Selenium as Se	EPA-200.8,Rev5.4-1994	0.005 mg/L to 0.2 mg/L	
	Iron as Fe		0.01 mg/L to 1.0 mg/L	

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		<b>Pesticides</b>	PTH/CHEM/SOP/076 (Date of Issue : 21.11.2015)	0.005 µg/kg to 250 µg/kg
		Alachlor		0.005 µg/kg to 250 µg/kg
		Atrazine		0.005 µg/kg to 250 µg/kg
		Aldrin		0.005 µg/kg to 250 µg/kg
		Dieldrin		0.005 µg/kg to 250 µg/kg
		Alpha-BHC		0.005 µg/kg to 250 µg/kg
		Beta-BHC		0.005 µg/kg to 250 µg/kg
		Delta-BHC		0.005 µg/kg to 250 µg/kg
		Gamma-BHC		0.005 µg/kg to 250 µg/kg
		Butachlor		0.005 µg/kg to 250 µg/kg
		Chlorpyriphos		0.005 µg/kg to 250 µg/kg
		2, 4 D		0.005 µg/kg to 250 µg/kg
		DDT		0.005 µg/kg to 250 µg/kg
		Endosulfan (Alpha, Beta, Sulphate)		0.005 µg/kg to 250 µg/kg
		Ethion		0.005 µg/kg to 250 µg/kg
		Isoproturon		0.005 µg/kg to 250 µg/kg
		Malthion		0.005 µg/kg to 250 µg/kg
		Methyl Parathion		0.005 µg/kg to 250 µg/kg
		Monocrotophos	PTH/CHEM/SOP/078 (Date of Issue : 21.11.2015)	0.005 µg/kg to 250 µg/kg
		Phorate		0.005 µg/kg to 250 µg/kg
		Polysaccharide		0.05 µg/kg to 10 µg/kg
		Aromatic Hydrocarbons benzo(b)fluoranthene, benzo(k)fluoranthene benzo(ghi)perylene indeno(1,2,3-cd)pyrene		
		PCB (PCB 10,28,138, 153,180,52,101)	PTH/CHEM/SOP/079 (Date of Issue : 21.11.2015)	0.05 µg/kg to 100 µg/kg
		Trihalomethane Total (Bromoform, Chloroform, Dibromochloromethane, Bromodichloromethane)	PTH/CHEM/SOP/080 (Date of Issue : 21.11.2015)	50 µg/kg to 1000 µg/kg

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8.	<b>Water (Intended for Human Consumption)</b>	<b>Pesticides &amp; Total Pesticides</b>	PTH/CHEM/SOP/076 (Date of Issue : 21.11.2015)	0.005 µg/kg to 100 µg/kg
		VOC	PTH/CHEM/SOP/081 (Date of Issue : 21.11.2015)	0.05 µg/kg to 100 µg/kg
		Acrylamide		
		Benzene		0.5 µg/kg to 100 µg/kg
		1, 2, dichloroethane		1 µg/kg to 100 µg/kg
		Epichlorhydrin		0.05 µg/kg to 100 µg/kg
		Trichloroethene & Tetrachloroethene		5 µg/kg to 100 µg/kg
		Trihalomethane Total		50 µg/kg to 1000 µg/kg
Vinylchloride	0.1 µg/kg to 100 µg/kg			
8.		Polycyclic Aromatic Hydrocarbons benzo(b)fluoranthene, benzo(k)fluoranthene benzo(ghi)perylene indeno(1,2,3-cd)pyrene Benzo(a)pyrene	PTH/CHEM/SOP/078 (Date of Issue : 21.11.2015)	0.05 µg/kg to 10 µg/kg
				0.005 µg/kg to 10 µg/kg
IV.	<b>MARINE/AQUA CULTURE FOOD PRODUCTS</b>			
1.	<b>Fish and Fishery Products</b>	TVBN as N	PTH/CHEM/SOP/006 (Date of Issue:14.07.2009)	5 mg to 500 mg/100gm
		Moisture	IS : 14950 : 2001, (RA 2009)	0.1% to 50%
		Acid Insoluble Ash	IS : 14950 : 2001 (RA 2009)	0.01% to 10.0%
		Sulphite as SO <sub>2</sub>	AOAC 20 <sup>th</sup> Edition 2016; 990.28;47.3.43	10 mg/kg to 500 mg/kg
		Phosphate as P <sub>2</sub> O <sub>5</sub>	AOAC 20 <sup>th</sup> Edition 2016, 995.11; 45.1.33	10 mg/kg to 10,000 mg/kg
		TMA	PTH/CHEM/SOP/061 (Date of Issue:15.04.2013)	5mg to 100 mg/100gm

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<b>V.</b>	<b>FOOD &amp; AGRICULTURAL PRODUCTS</b>			
1.	<b>Dietary Supplements (Food Supplements)</b>	Protein	IS:4706(Part II), 1978 (RA 2015)	0.2% to 95%
		Total fat	IS:12711-1989 (RA 2010) IS:1163 (RA 2010)	0.1% to 50%
2.	<b>Food Grains, Pulses, Cereals &amp; by products (Wheat, Rice, Chana, Moong, Rajma, Atta, Maida, Besan, Barley, Oats, Watana-Black &amp; Green &amp; White, Masoor, rawa, Lapshi, Dal, Urd, Tur, Masoor, Chana, barley flour, Split pulses, Pasta, Vermicelli, Noodles, RTS food Premixes)</b>	Moisture	IS 1155-1968, (RA 2015) IS 1009-1979, (RA 2015) IS 4333 (Part II) 1967 (RA 2015)	0.1% to 35%
		Total ash	IS 1155-1968 : (RA 2015), A.O.A.C. (923.03), 20 <sup>th</sup> edition 2016; 32.1.05	0.1% to 10%
		Acid insoluble ash	IS 1155-1968 : (RA 2015)	0.01% to 5.0%
		Protein	IS: 7219-1973: 2010	0.2% to 70%
		Crude fibre	IS 1155-1968, (RA 2015)	0.5% to 40%
		Gluten content	IS 1155-1968, (RA 2015)	0.5% to 20%
		Alcoholic acidity	IS 1155-196 : (RA 2015) IS 12711 : (RA 2015)	0.05% to 10.0%
		Starch content	IS 4706(Part II) 1978, (RA 2015)	1.0% to 100%
		Detection of Kesari Dal	FSSAI Manual of analysis of food-Cereal and Cereal Products: 2016	Qualitative (Present/Absent)
		Carbohydrate	IS 1656-1997, (RA 2012)	0.5% to 95%
		Energy value	PTH/CHEM/FS/24 (Date of Issue 12.02.2014 )	5 kCal to 1000 kCal/100 gm
			PTH/CHEM/FS/24 (Date of Issue 01.09.2015 )	5 kCal to 1000 kCal/100 gm
		Damaged/slightly	FSSAI Manual of analysis of food-Cereal and Cereal Products: 2016	0.1% to 50%
		Damaged/Discoloured		0.1% to 50%
	Weevilled	0.1% to 50%		
	Extraneous matter	0.1% to 50%		

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		Other edible grain	FSSAI Manual of analysis of food-Cereal and Cereal Products: 2016	0.1% to 50%
		Shriveled/immature		0.1% to 50%
		Broken		0.1% to 50%
		Uric Acid	PTH/CHEM/SOP/FS/026 (Date of Issue : 05.01.2015)	5.0 mg/kg to 200 mg/kg
3.	<b>Bakery &amp; Confectionary Products (Biscuits, Bread, Cakes, Cookies, Cookies Mix, Cake Mix, Chocolates, Nankatai, Bread Sticks, Toast)</b>	Moisture	IS 1011-2002 (RA 2009) IS 1163-1992 (RA 2009) IS 12711-1989 (RA 2010)	0.1% to 35%
		Fat	IS12711-1989 (RA 2010) IS 1163-1992 (RA 2009)	0.1% to 50%
		Acidity of extracted fat (as oleic acid)	IS 1011-1992 (RA 2009) IS12711-1989 (RA 2010)	0.05% to 10%
		Total Ash	IS 1011-1992 (RA 2009) IS12711-1989 (RA 2010) IS 1163-1992 (RA 2009)	0.1% to 25%
		Acid insoluble ash	IS 1011-1992 (RA 2009) IS12711-1989, (RA 2010) IS1163-1992 (RA 2009)	0.01% to 10.0%
		Protein	IS 7219-1973 (RA 2010)	0.2% to 50%
		Carbohydrate	IS 1656-1997 (RA 2012)	0.5% to 95%
		Alcoholic acidity	IS 12711-1989 (RA 2010)	0.05% to 10.0%
		Salt	FSSAI Manual of analysis of food-Cereal and Cereal Products: 2016	0.1% to 30%
4.	<b>Honey &amp; Honey Based Products</b>	Specific gravity	IS 4941-1994 (RA 2012)	1 to 2
		Moisture		0.1% to 35%
		Total reducing sugar		20% to 85%
		Total Ash		0.1% to 10%
		Acidity (expressed as formic acid)		0.1% to 10%
		Fructose-Glucose ratio		0.2% to 2%
		Fiehes test (qualitative)		Qualitative (Present/Absent)
		Sucrose		1% to 10%

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		Hydroxy methyl furfural	AOAC 20 <sup>th</sup> Edition, 2016 (980.23, 44.4.15)	1 mg/kg to 80 mg/kg
5.	<b>Spices &amp; Condiments (Whole-Chilli, Turmeric, Cumin, Coriander, Cloves, Asafoetida, Black paper, Ground-Chilli powder, Turmeric, Cumin, Coriander, Curry, Masala Mix, Gravies, Pickles, Sambhar masala, Pavbhaji masala, chat masala, chole masala, garam masala)</b>	Moisture	IS 1797-1985 (RA 2009) AOAC 986.21, 43.1.04	0.1% to 50%
Total ash		IS 1797-1985 (RA 2009) AOAC 941.12, 20 <sup>th</sup> edition 2016, 43.1.05	0.1% to 15%	
Acid insoluble ash		IS 1797-1985 (RA 2009)	0.01% to 5.0%	
Water insoluble ash		IS 1797-1985 (RA 2009)	0.05% to 10%	
Crude Fibre		IS 1797-1985 (RA 2009)	0.5% to 40%	
Volatile oil		IS 1797-1985 (RA 2009), AOAC (962.17) 20 <sup>TH</sup> edition 2016, 43.1.14	0.1% to 30.0%	
Non-volatile ether extract		IS 1797-1985 (RA 2009)	1.0% to 30%	
Cold water soluble extract		IS 1797-1985 (RA 2009)	1.0% to 60%	
Protein		IS 7219-1973 (RA 2010)	0.2% to 50%	
Curcumin content		IS 10925 : 1984 (RA 2012)	0.1% to 30%	
Presence of Chromate		IS 3576-2010	Present/Absent	
Salt		FSSAI Manual of analysis of food-Spices and Condiments : 2016	0.1% to 50%	
Extraneous matter		FSSAI Manual of analysis of food-Spices and Condiments : 2016	0.1% to 50%	
Insect damaged matter		FSSAI Manual of analysis of food-Spices and Condiments : 2016	0.1% to 50%	
Empty and malformed capsules by count (cardamom)			0.1% to 50%	
Immature and shrivelled capsules		0.1% to 50%		
Light seed		0.1% to 50%		
Unripe and marked fruit (Chilli)		0.1% to 50%		

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		Broken fruit, seed and fragment	FSSAI Manual of analysis of food-Spices and Condiments : 2016	0.1% to 50%
		Tendril, mother clove		0.1% to 50%
		Khokar clove		0.1% to 50%
		Headless cloves		0.1% to 50%
		Split fruit (coriander)		0.1% to 50%
		Damaged discoloured fruit		0.1% to 50%
		Defective seed (fennel)		0.1% to 50%
		Edible seed other than fennel seed		0.1% to 50%
		Light berries (black pepper)		0.1% to 50%
		Pin head or broken berries		0.1% to 50%
		Defective rhizome (turmeric)		0.1% to 50%
6.	<b>Fruits and Vegetable products (Fruit Juice, Fruit pulp, Chutney, Sauces, Ketchups, Ready to eat vegetables, Canned fruit &amp; vegetables, Dehydrated, Instant drink powder, Jam, Jellies, pickles, vegetable soup powders, tooty fruity)</b>	Moisture	A.O.A.C. (934.06) ) 20 <sup>TH</sup> edition 2016, 37.1.10	0.1% to 95%
		Total solids	A.O.A.C. ( 920.151) ) 20 <sup>TH</sup> edition 2016, 37.1.12	0.5 to 95%
		Acidity of cut out syrup/Total acidity	IS:2860-1964, (RA 2008) A.O.A.C. (942.15) ) 20 <sup>TH</sup> edition 2016, 37.1.37	0.1 to 40%
		Sodium chloride (Brine)	IS 2860-1964, (RA 2008)	0.25% to 35%
		pH	IS 2860-1964, (RA 2008)	1.0 to 14.0
		Total ash	IS 13846-2009	0.1% to 25%
		Acid insoluble ash	IS 13846-2009	0.01% to 5.0%
		Protein	IS:7219-1973, (RA 2010) IS 6287:1985. (RA 2010)	0.2% to 50%
		Fat	IS: 6287:1985. (RA 2010)	0.1% to 50%
	Salt as Sodium Chloride	IS:1797-1985, (RA 2009) IS:4706, Part II,1978 (RA 2015)	0.1% to 35%	

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		Sulphite as SO <sub>2</sub>	AOAC 20 <sup>th</sup> Edition 2016; 990.28;47.3.43	10 mg/kg to 500 mg/kg
7.	<b>Oils, Fats &amp; Related Products</b>	Moisture & volatile matter	IS: 548 (Part I) 1964, (RA 2015)	0.05% to 10%
		Free fatty acid	IS: 548 (Part I) 1964, (RA 2015)	0.025% to 30%
		Acid value	IS: 548 (Part I) 1964, (RA 2015)	0.05 to 60
		Saponification value	IS: 548 (Part I) 1964, (RA 2015)	2 to 300
		Iodine value	IS: 548 (Part I) 1964, (RA 2015)	0.5 to 200
		Specific gravity	IS: 548 (Part I) 1964, (RA 2015)	0.8000 to 1.2000
		Refractive index	IS: 548 (Part I) 1964, (RA 2015)	1.3 to 1.8
		Total Ash	IS: 548 (Part I) 1964, (RA 2015)	0.1% to 10%
		Unsaponifiable matter	IS: 548 (Part I) 1964, (RA 2015)	0.1% to 20%
		Peroxide value	IS: 548 (Part I) 1964, (RA 2015)	0.10 meq/kg to 100 meq/kg
		Test for mineral oil	FSSAI Manual of analysis of food-Oils and Fats : 2016	Qualitative (Present/Absent)
		Test for Argemone oil		Qualitative (Present/Absent)
8.	<b>Starch and Starchy Products</b>	Moisture	IS:4706(Part II), 1978, (RA 2015)	0.1% to 30%
		Total Ash	IS:4706(Part II), 1978 (RA 2015)	0.1% to 20%
		Acid insoluble ash	IS:4706(Part II), 1978 (RA 2015)	0.01% to 5.0%
		Protein	IS:4706(Part II), 1978 (RA 2015)	0.2% to 70%

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		Crude fibre	IS:4706(Part II), 1978 (RA 2015)	0.5% to 40%
		pH of aqueous extract	IS:4706(Part II), 1978 (RA 2015)	1.0 to 14.0
		Alcoholic acidity	IS:4706(Part II), 1978 (RA 2015)	0.05% to 5%
		Total fat	IS:12711-1989 (RA 2015) IS:1163 (RA 2015)	0.1% to 50%
		Carbohydrate	IS 1656-2002 (RA 2012)	0.5% to 95%
		Salt	IS:4706 (Part II)-1978 (RA 2015)	0.1% to 25%
9.	Tea, Coffee, cocoa and by products, Tea & Coffee Premixes	Moisture	IS:3077-1992 (RA 2009), IS 1164-1986 (RA 2012)	0.1% to 20%
		Total Ash	IS:13854-1994 (RA 2009) IS 1164 (RA 2012)	0.1% to 15%
		Water soluble ash	IS:3077-1992 (RA 2009)	0.1% to 90%
		Ash insoluble in HCL	IS:3077-1992 (RA 2009) IS 1164-1986 (RA 2012)	0.01% to 5%
		Aqueous Extract/Water soluble matter	IS:3077-1992 (RA 2009)	5% to 50%
		Alkalinity of soluble ash	IS:3077-1992 (RA 2009), IS 1164-1986 (RA 2012)	0.1% to 20%
		Crude Fibre	IS:1155-2015 IS:1164-1986 (RA 2012)	0.5% to 40%
		Petroleum ether extract	IS:3077-1992 (RA 2009)	1% to 10%
		Cocoa butter	IS:1164-1986 (RA 2012)	5% to 25%
		Caffeine	PTH/CHEM/FS/SOP/22 (Date of Issue-15.07.2013)	10 mg/kg to 500 mg/kg
10.	Snacks, Convenience Products (Namkeen-farsan, Instant mix like idli, Dosa,	Moisture	IS:1155-1968 (RA 2010) IS 4333-(Part 2),1967,2015 IS:15271-2003 (RA 2013)	0.1% to 80%
		Total Ash	IS:15271-2003 (RA 2013)	0.1% to 25%
		Acid Insoluble ash	IS:15271-2003 (RA 2013)	0.01% to 5.0%
		Fat	IS:15271-2003 (RA 2013)	0.1% to 50%

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	<b>Dhokala, Jalebi, Gulabjam, Breakfast cereals, Chapati, Paratha, Khakara, Bhajani pith, Thalipithbhajani, Cheese balls, chikki, pickles)</b>	Protein	IS:7219-1973 (RA 2010)	0.2% to 50%
		Carbohydrate	IS:1656-2007 (RA 2012)	0.5% to 95%
		Acidity/Acidity of extracted fat	FSSAI Manual of analysis of food-Cereal and Cereal Products: 2016 IS:15271-2003 (RA 2013) IS:2860 1964 (RA 2015)	0.01% to 50%
		Salt	IS 4706, Part II-1978 (RA 2015), FSSAI Manual of analysis of food-Cereal and Cereal Products: 2016	0.1% to 25%
<b>11. Oil seeds and by Products</b>		Damaged seeds	IS:3579-1966 (RA 2015)	0.1% to 50%
		Slightly damaged seeds	IS:3579-1966 (RA 2015)	0.1% to 50%
		Shriveled immature dark seeds	IS:3579-1966 (RA 2015)	0.1% to 50%
		Split and broken kernels	IS:3579-1966 (RA 2015)	0.1% to 50%
		Nooks	IS:3579-1966 (RA 2015)	0.1% to 50%
		Impurities	IS:3579-1966 (RA 2015)	0.1% to 50%
		Moisture	IS:3579-1966 (RA 2015)	0.1% to 25%
		Oil content	IS:3579-1966 (RA 2015)	0.1% to 75%
		Acid value of extracted oil	IS:3579-1966 (RA 2015)	0.1 to 20.0%
<b>12. Nuts &amp; Nuts Products</b>		Moisture	AOAC,925.40 20 <sup>th</sup> edition 2016, 40.1.04	0.1% to 35%
		Fat	AOAC 948.22 20 <sup>th</sup> edition 2016, 40.1.05	0.1% to 75%
		Protein	AOAC 950.48, 20 <sup>h</sup> edition 2016 40.1.06	0.2% to 70%
		Carbohydrate	IS 1656-2007:2012	0.5% to 95%
		Acidity/Acidity of extracted fat	IS 2860 2007 (RA 2012)	0.01% to 25%
		Salt	AOAC 950.52 20 <sup>th</sup> edition 2016, 40.1.11	0.1% to 25%

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		Total Ash	AOAC (950.49) 20 <sup>th</sup> edition 2016	0.1% to 15%
13.	Sugar and confectionary products	Moisture	IS:6287 1985 (RA 2010)	0.1% to 30%
		Total Ash	IS:6287 1985 (RA 2010)	0.1 to 10%
		Acid insoluble ash	IS:6287 1985 (RA 2010)	0.01% to 5.0%
		Fat	IS:6287 1985 (RA 2010)	0.1% to 50%
		Protein	IS:6287 1985 (RA 2010)	0.2% to 50%
		Sucrose	IS:6287 1985 (RA 2010)	1.0% to 90%
		Reducing sugar	IS:6287 1985 (RA 2010)	0.5% to 70%
		Lactose	IS:6287 1985 (RA 2010)	0.5% to 20%
		Brix (total soluble solids)	IS:13815: 1993 (RA 2009)	5% to 80%
		Sulphated ash	IS:6287 1985 (RA 2010)	0.1% to 10%
		Sulphite as SO <sub>2</sub>	AOAC 20 <sup>th</sup> Edition 2016; 990.28;47.3.43	10 mg/kg to 500 mg/kg
14.	Food Additives (Food Colours, Artificial Sweeteners, Preservatives, Antioxidants, Emulsifying and Stabilising Agents, Flavouring Agents, Flavour enhancers)	Specific gravity	IS: 548 (Part I) 1964, (RA 2015)	0.8000 to 1.2000
		Refractive index	IS: 548 (Part I) 1964, (RA 2015)	1.3 to 1.8
		Bulk Density	IS: 1797, 1985:2009	1 g/L to 1000 g/L
		Moisture	IS:4706(Part II), 1978, (RA 2015)	0.1% to 20%
		Acidity	IS:13844 2003 (RA 2008)	0.1% to 10%
		Total Dye content	FCC, 10 <sup>th</sup> Ed, 2016	1% to 100%
		Water Insoluble matter		0.05% to 10%
15.	Non Alcoholic, Carbonated Beverages & Soft Drinks	pH	PTH/CHEM/SOP/007 (Date of Issue : 09.01.2006)	1 to 14
		Acidity	IS:13844 2003 (RA 2008)	0.1 to 15%
		Caffeine	PTH/CHEM/SOP/22 Date of issue 16.07.2013	10 mg/kg to 500 mg/kg
		Sulphite as SO <sub>2</sub>	AOAC 20 <sup>th</sup> Edition 2016; 990.28;47.3.43	10 mg/kg to 500 mg/kg

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16.	<b>Alcoholic Beverages</b>	pH	IS:3865-2001 (RA 2009)	1 to 14
		Ethyl alcohol content	IS:3865-2001, (RA 2009) IS7585:1995 (RA 2009) IS 3752 :2005 (RA 2009)	1% to 100%
		Determination of methyl alcohol	IS:3752-2005 (RA 2009)	10 mg/L to 3000 mg/L
		Total acids as tartaric acid	IS:3752-2005 (RA 2009)	0.1 g/L to 50 g/L
		Volatile acids as acetic acid	IS:3752-2005 (RA 2009)	0.02 g/L to 50 g/L
		Residue on evaporation	IS:3752-2005 (RA 2009)	0.1% to 50%
		Extracts	IS:7585-1995 (RA 2009)	1 g/L to 100 g/L
		Methanol content	PTH/CHEM/SOP/075 (Date of Issue : 16.02.2015)	Qualitative
		Sulphite as SO <sub>2</sub>	AOAC 20 <sup>th</sup> Edition 2016; 990.28;47.3.43	10 mg/kg to 500 mg/kg
<b>VI.</b>	<b>ORES AND MINERALS</b>			
1.	<b>Iron Ore</b>	Moisture	IS 1493 (Part 1)-1981 (RA 2016)	0.1% to 20%
		Silica as SiO <sub>2</sub>		0.1% to 30%
		Iron as Fe		0.5% to 90%
		Phosphorus as P		0.01% to 5.0%
		Alumina as Al <sub>2</sub> O <sub>3</sub>		0.2% to 20%
		Sulphur as S		0.001% to 1%
2.	<b>Bauxite</b>	Loss on ignition	IS 2000 (Part 1)-1985 (RA 2017)	1% to 40%
		Titanium Oxide as TiO <sub>2</sub>	IS 2000 (Part 5)-1985 (RA 2017)	0.5% to 15%
		Ferric Oxide as Fe <sub>2</sub> O <sub>3</sub>	IS 2000 (Part 4)-1985 (RA 2017)	0.1% to 60%
		Silica as SiO <sub>2</sub>	IS 2000 (Part 2)-1985 (RA 2017)	0.1% to 25%
		Alumina as Al <sub>2</sub> O <sub>3</sub>	IS 2000 (Part 3)-1985 (RA 2017)	10% to 90%

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		Vanadium as V	IS 2000 (Part 6)-1985 (RA 2017)	0.001% to 0.5%
		Phosphorus as P	IS 2000 (Part 7)-1985 (RA 2017)	0.01% to 5%

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