



**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

PUNJAB BIOTECHNOLOGY INCUBATOR

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

and fulfills the requirements of FSSAI, EIC & APEDA

for its facilities at

Knowledge City, Sector-81, SAS Nagar, Mohali, Punjab

in the field of

TESTING

Certificate Number

TC-12762 (Integrated) INDIA

Issue Date

16/12/2023

Valid Until

24/07/2025

FSSAI: 16/12/2023, EIC: 16/12/2023, APEDA: 16/12/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity : PUNJAB BIOTECHNOLOGY INCUBATOR

Signed for and on behalf of NABL



89076970100030002602

N. Venkateswaran
Chief Executive Officer



**National Accreditation Board for
Testing and Calibration Laboratories
&
Export Inspection Council
(Ministry of Commerce & Industry, Govt. of
India)**



SCOPE OF ACCREDITATION

Laboratory Name Punjab Biotechnology Incubator, Knowledge City, Sector-81, SAS Nagar, Mohali, Punjab

Accreditation Standard ISO/IEC 17025: 2017

Certificate No. TC-12762 (Integrated) **Page No.** 1 of 82

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
Permanent Facility					
1.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
2.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml, Present/ Absent per gm
3.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Enterobacteriaceae	ISO 21528 (Part 2): 2017 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
4.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	<i>Escherichia coli</i>	ISO 16649-2: 2001 (Pour Plating)	≥10 cfu/g, ≥1 cfu/ml,
5.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Spread Plate)	≥10 cfu/g, ≥1 cfu/ml,
6.	BIOLOGICAL/ FOOD AND	Milk & Milk Products (Milk, Milk powder,	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Enrichment &	Present/ Absent per g

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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	AGRICULTURAL PRODUCTS	Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)		Selective Isolation)	
7.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
8.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Shigella	IS 5887 (Part 7): 1999 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
9.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	<i>Staphylococcus aureus</i>	ISO 6888 Part I: 2021 (Pour Plate / Spreading)	≥10 cfu/g, ≥1 cfu/ml ,
10.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/ Absent per gm
11.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Yeast & Mould count	IS 5403 : 1999 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml



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12.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Bacillus cereus	ISO 7932:2004 (Spreading)	≥10 cfu/g, ≥1 cfu/ml
13.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Thermophillic Plate Count	IS 1479 (Part 3): 1977 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
14.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Thermoduric Plate Count	IS 1479 (Part 3): 1977 (Pour Plate)	>1 lpc/ml, >10 lpc/g
15.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Listeria monocytogenes	ISO 11290 (Part 1): 2017 (Enrichment & Selective Isolation)	Present /Absent/ 25 g or 25 ml
16.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products (Milk, Milk powder, Butter, Ghee, Cheese, Yoghurt, Frozen dessert, UHT products)	Aerobic spore count (Bacillus cereus)	ISO 7932:2004 (Spreading)	≥10 cfu/g, ≥1 cfu/ml
17.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥10 cfu/g



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		Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)			
18.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
19.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Enterobacteriaceae	ISO 21528 (Part 2): 2017 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
20.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Spread Plate)	≥10 cfu/g, ≥1 cfu/ml,
21.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles,	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Enrichment & Selective Isolation)	Present/ Absent per g



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		Beverages, Jams & Jellies)			
22.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
23.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Shigella	IS 5887 (Part 7): 1999 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
24.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	<i>Staphylococcus aureus</i>	ISO 6888 Part I: 2021 (Pour Plate / Spreading)	≥10 cfu/g, ≥1 cfu/ml ,
25.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/ Absent per gm



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26.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Yeast & Mould count	IS 5403 : 1999 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
27.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Bacillus cereus	ISO 7932:2004 (Spreading)	≥10 cfu/g, ≥1 cfu/ml
28.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products	Listeria monocytogenes	ISO 11290 (Part 1): 2017 (Enrichment & Selective Isolation)	Present /Absent/ 25 g or 25 ml
29.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Flat sour Organism	APHA 5th ed. Chapter 25: 2015 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
30.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles,	Vibrio cholerae	IS 5887 (Part 5) Sec 1:2023 (Enrichment & Selective Isolation)	Present /Absent/ 25 g or 25 ml



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		Beverages, Jams & Jellies)			
31.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	E.coli O157 and vero shiga toxin producing E.coli	IS 14397:1996 (Enrichment & Selective Isolation)	Present /Absent/ 25 g or 25 ml
32.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables Products (Canned curried vegetables, Dehydrated & frozen Fruit and Vegetable products Pickles, Beverages, Jams & Jellies)	Sulfite reducing Clostridia	ISO 15213 (Part 1) : 2023 (Pour Plate)	≥10 cfu/g, ≥1 cfu/ml
33.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Pulses & cereal Products (Rice, Maize, Soya and their products) Fresh/ Frozen Fruits & Vegetables Spices & condiments, Bakery Products,	GM testing, Qualitative test for Presence/Absence of P35S, TNOS, Bar, Pat, CTP2-CP4-EPSPS	PBTI/SOP/101-TP-65 (RT-PCR based method)	0.10%
34.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Surface & Hand swabs (Surface & Hand swabs)	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥1 cfu/cm ²
35.	BIOLOGICAL/ FOOD AND AGRICULTURAL	Surface & Hand swabs (Surface & Hand swabs)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥1 cfu/cm ²



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	PRODUCTS				
36.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Surface & Hand swabs (Surface & Hand swabs)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/ Absent /cm ²
37.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji besan, pulses)	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥10 cfu/g
38.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji besan, pulses)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥10 cfu/g
39.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji besan, pulses)	Enterobacteriaceae	ISO 21528 (Part 2): 2017 (Pour Plate)	≥10 cfu/g
40.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji besan, pulses)	<i>Escherichia coli</i>	IS 5887 (Part 1) 1976 (Enrichment & Selective Isolation)	Present/ Absent per g
41.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji besan, pulses)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
42.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji, besan, pulses)	Shigella	IS 5887 (Part 7): 1999 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
43.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal Products (Rice, Atta Maida Semolina, suji besan, pulses)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/Absent per gram
44.	BIOLOGICAL/	Cereal & Cereal	Yeast & Mould count	IS 5403 : 1999 (Pour	≥10 cfu/g



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	FOOD AND AGRICULTURAL PRODUCTS	Products (Rice, Atta Maida Semolina, suji besan, pulses)		Plate)	
45.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥10 cfu/g
46.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥10 cfu/g
47.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	Enterobacteriaceae	ISO 21528 (Part 2): 2017 (Pour Plate)	≥10 cfu/g
48.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Enrichment & Selective Isolation)	Present/ Absent per g
49.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Ab sent per 25 gm
50.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Ab sent per 25 gm
51.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	Shigella	IS 5887 (Part 7): 1999 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
52.	BIOLOGICAL/ FOOD AND AGRICULTURAL	Nuts & Nuts Products (Almond, cashew, resin, nuts)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/Absent per gram



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	PRODUCTS				
53.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts Products (Almond, cashew, resin, nuts)	Yeast & Mould count	IS 5403 : 1999 (Pour Plate)	≥10 cfu/g
54.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥10 cfu/g
55.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥10 cfu/g
56.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	Enterobacteriaceae	ISO 21528 (Part 2): 2017 (Pour Plate)	≥10 cfu/g
57.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Enrichment & Selective Isolation)	Present/ Absent per g
58.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Absent per 25 gm



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		powder)			
59.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	Shigella	IS 5887 (Part 7): 1999 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
60.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/Absent per gram
61.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments (Coreander powder, Turmeric powder, curry powder, Chilly powder)	Yeast & Mould count	IS 5403 : 1999 (Pour Plate)	≥10 cfu/g
62.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	Total Plate Count	IS 5402(Part I): 2021(ISO 4833-1 :2013) (Pour Plate)	≥10 cfu/g
63.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	Coliform count	IS 5401(Part-1): 2012 (ISO 4832: 2006) (Pour Plate)	≥10 cfu/g
64.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	Enterobacteriaceae	ISO 21528 (Part 2): 2017 (Pour Plate)	≥10 cfu/g
65.	BIOLOGICAL/ FOOD AND AGRICULTURAL	Bakery Products (Biscuit, Bread, Rusk, cookies)	<i>Escherichia coli</i>	IS 5887 (Part 1): 1976 (Enrichment & Selective Isolation)	Present/ Absent per g

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
	PRODUCTS				
66.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	<i>Salmonella</i>	ISO 6579 (Part I): 2017 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
67.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	Shigella	IS 5887 (Part 7): 1999 (Enrichment & Selective Isolation)	Present/Absent per 25 gm
68.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	<i>Staphylococcus aureus</i>	IS:5887(Part-II) : 1976 (Enrichment & Selective Isolation)	Present/Absent per gram
69.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products (Biscuit, Bread, Rusk, cookies)	Yeast & Mould count	IS 5403 : 1999 (Pour Plate)	≥10 cfu/g
70.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oil & Fats;	GM testing, Qualitative test for Presence/Absence of P35S, TNOS, Bar, Pat, CTP2-CP4-EPSPS	PBTI/SOP/131-TP-93 (RT-PCR based method)	0.10%
71.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey & Honey Products	GM testing, Qualitative test for Presence/Absence of P35S, TNOS, Bar, Pat, CTP2-CP4-EPSPS	PBTI/SOP/147-TP-104 (RT-PCR based method)	0.10%
72.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Tylosin A	LCMS-MS	5 ug/kg to 50.ug/kg /3.42µg/kg
73.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Dihydrostreptomycin including Streptomycin	LCMS-MS	2ug/kg to 25.ug/kg /2.0µg/kg
74.	BIOLOGICAL/	Honey	Sulphonamides	LCMS-MS	5 ug/kg to 50.ug/kg

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	FOOD AND AGRICULTURAL PRODUCTS		Sulfanilamide		/2.4µg/kg
75.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfadiazine	LCMS-MS	5 ug/kg to 50.ug/kg /2.0µg/kg
76.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfathiazole	LCMS-MS	5 ug/kg to 50.ug/kg /2.0µg/kg
77.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfamerazine	LCMS-MS	5 ug/kg to 50.ug/kg /2.03µg/kg
78.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfamethizole	LCMS-MS	5 ug/kg to 50.ug/kg /2.5µg/kg
79.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfamethazine	LCMS-MS	5 ug/kg to 50.ug/kg /2.03µg/kg
80.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfamethoxyipyridazine	LCMS-MS	5 ug/kg to 50.ug/kg /2.02µg/kg
81.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sulfadoxine	LCMS-MS	5 ug/kg to 50.ug/kg /2.14µg/kg
82.	BIOLOGICAL/ FOOD AND AGRICULTURAL	Honey	Metronidazole	LCMS-MS	0.5 ug/kg to 5.ug/kg /2.0 µg/kg

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	PRODUCTS				
83.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Nitrofurans Aminohydantoin (AHD)	LCMS-MS	0.25 ug/kg to 5.ug/kg /0.25µg/kg
84.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ)	LCMS-MS	0.25 ug/kg to 5.ug/kg /0.25µg/kg
85.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Amino-oxazolidinone (AOZ)	LCMS-MS	0.25 ug/kg to 5.ug/kg /0.25µg/kg
86.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Semicarbazide (SEM)	LCMS-MS	0.25 ug/kg to 5.ug/kg /0.25µg/kg
87.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Nifursol(DNSH)	LCMS-MS	0.25 ug/kg to 5.ug/kg /0.25µg/kg
88.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Chloramphenicol	LCMS-MS	0.075 ug/kg to 1.5ug/kg /0.07 µg/kg
89.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Tetracycline's	LCMS-MS	2.5 ug/kg to 20ug/kg /2.71 µg/kg
90.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Tetracycline (sum of Tetracycline and 4-epi-tetracycline)	LCMS-MS	2.5 ug/kg to 20ug/kg /2.71 µg/kg
91.	BIOLOGICAL/	Honey	Oxytetracyclines (Sum of	LCMS-MS	2.5 ug/kg to 20ug/kg



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	FOOD AND AGRICULTURAL PRODUCTS		Oxytetracycline 4-epi- Oxy tetracycline)		/2.64 µg/kg
92.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Chlortetracyclines (sum of Chlortetracyclines and 4-epi- Chlortetracycline)	LCMS-MS	2.5 ug/kg to 20ug/kg /2.63 µg/kg
93.	BIOLOGICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Erythromycin	LCMS-MS	5 ug/kg to 50 ug/kg /4.02µg/kg
94.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Ciprofloxacin	LCMS-MS	5 ug/kg to 50 ug/kg /4.32µg/kg
95.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Ampicillin	LCMS-MS	5 ug/kg to 50 ug/kg /3.73µg/kg
96.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Enrofloxacin	LCMS-MS	6 ug/kg to 50 ug/kg /3.09
97.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Aldrin	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
98.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Dieldrin	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
99.	CHEMICAL/ FOOD AND AGRICULTURAL	Honey	Chlorobenzilate	GCMSMS	10 µg/kg-50 µg/kg /5 µg/kg



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	PRODUCTS				
100.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	o,p'DDE	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
101.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	p,p'DDE	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
102.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	o,p'DDD	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
103.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	p,p'DDD	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
104.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	o,p'DDT	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
105.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	p,p'DDT	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
106.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Alpha Endosulfan	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
107.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Beta Endosulfan	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
108.	CHEMICAL/	Honey	Endosulfan Sulfate	GCMSMS	5 µg/kg-25 µg/kg

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	FOOD AND AGRICULTURAL PRODUCTS				/2.5 µg/kg
109.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Alpha-HCH	GCMSMS	2.5 µg/kg-12.5 µg/kg /1.25 µg/kg
110.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Beta-HCH	GCMSMS	2.5 µg/kg-12.5 µg/kg /1.25 µg/kg
111.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Delta-HCH	GCMSMS	2.5 µg/kg-12.5 µg/kg /1.25 µg/kg
112.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Gamma-HCH	GCMSMS	5 µg/kg-25 µg/kg /1.25 µg/kg
113.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Heptachlor	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
114.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Heptachlor Epoxide	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
115.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Hexachlorobenzene	GCMSMS	2.5 µg/kg-12.5 µg/kg /1.25 µg/kg
116.	CHEMICAL/ FOOD AND AGRICULTURAL	Honey	Vinclozolin	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg



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	PRODUCTS				
117.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	3,5-dichloroaniline	GCMSMS	5 µg/kg-25 µg/kg /2.5 µg/kg
118.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Coumaphos	GCMSMS	50 µg/kg-250 µg/kg /25 µg/kg
119.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Malathion	GCMSMS	10 µg/kg-50 µg/kg /5 µg/kg
120.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Malaoxon	GCMSMS	10 µg/kg-50 µg/kg/5 µg/kg
121.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Phosalone	GCMSMS	25 µg/kg-125 µg/kg /12.5 µg/kg
122.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Cyfluthrin(I,II,III,IV)	GCMSMS	3.5 µg/kg-17.5 µg/kg /1.75 µg/kg
123.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Cyhalothrin	GCMSMS	3.5 µg/kg-17.5 µg/kg /1.75 µg/kg
124.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Cypermethrin (I,II,III,IV)	GCMSMS	8.5 µg/kg-42.5µg/kg /4.25 µg/kg
125.	CHEMICAL/	Honey	Deltamethrin	GCMSMS	8.5 µg/kg-42.5µg/kg

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	FOOD AND AGRICULTURAL PRODUCTS				/4.25 µg/kg
126.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Fenvalerate (Esfenvalerate)	GCMSMS	8.5 µg/kg- 42.5µg/kg /4.25 µg/kg
127.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Permethrin	GCMSMS	8.5 µg/kg-42.5µg/kg /4.25 µg/kg
128.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Amitraz	GCMSMS	100µg/kg-500µg/kg /50µg/kg
129.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	PCBs	GCMSMS	1 µg/kg-5µg/kg /0.5 µg/kg
130.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Carbaryl	GCMSMS	5 µg/kg - 100µg/kg /2.5 µg/kg
131.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Carbofuran	GCMSMS	5 µg/kg - 100µg/kg /2.5 µg/kg
132.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Propoxur	GCMSMS	5 µg/kg - 100µg/kg /2.5 µg/kg
133.	CHEMICAL/ FOOD AND AGRICULTURAL	Honey	Cadmium	ICP-MS	3 µg/kg to 1000 µg/kg /1.5 µg/kg



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	PRODUCTS				
134.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Lead	ICP-MS	20 µg/kg to 150 µg/kg/10 µg/kg
135.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Arsenic	ICP-MS	20 µg/kg to 150 µg/kg/10 µg/kg
136.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Lead	ICP-MS	20 µg/kg to 150 µg/kg/10 µg/kg
137.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey & Honey Based Products	Arsenic	ICP-MS	0.025 mg/kg to 0.2 mg/kg/0.0125 mg/kg
138.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey & Honey Based Products	Mercury	ICP-MS	0.025 mg/kg to 0.2 mg/kg/0.0125 mg/kg
139.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey & Honey based product	Moisture	Gravimetric method	1 % to 50 %
140.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey based products	Sucrose	Titrimetric Method	1 % to 85 %
141.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Fructose - Glucose Ratio	Titrimetric	0.5to 2
142.	CHEMICAL/	Honey	Fiehe's Test	Chemcal	0.5to 2



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	FOOD AND AGRICULTURAL PRODUCTS				
143.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Moisture	Refractometer/ Gravimetric	1 % to 50 %
144.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Specific Gravity	Gravimetric	0.6to 2
145.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Optical Density	Spectro photometer	0.02to 1.5
146.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Freedom from Foreign Matter	Physical	NA
147.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Sucrose	Titrimetric	1 % to 85 %
148.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Ash	Gravimetric	0.1 % to 20 %
149.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Acidity	Titrimetric	0.05 % to 5 %
150.	CHEMICAL/ FOOD AND AGRICULTURAL	Honey	Total Reducing Sugars	Titrimetric	1 % to 85 %

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	PRODUCTS				
151.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Hydroxyl Methyl Furfural Content (HMF)	Spectro photometric	1-30%
152.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Conductivity	Conductivity meter	0.1 mS/cm to 1.8 mS/cm
153.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	color	Visual	NA
154.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Diastase Test	Spectrophotometer	1 Schade Unit to 8Schade Unit
155.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey based product	Ash	Gravimetric method	0.1 % to 20 %
156.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey based products	Acidity	Titrimetric	0.05 % to 5 %
157.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey based products	Total Reducing Sugar	Titrimetric	1 % to 85 %
158.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	C4 Sugar (corn or cane)	EA-IRMS	Qualitative :2.1%(-0.3permil) to 13.6% (- 1.9permil) /1.000%
159.	CHEMICAL/	Honey	δd13CProtein- Honey (‰)	EA-IRMS	0.1 permil to 4

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	FOOD AND AGRICULTURAL PRODUCTS				per mil 0.2 ± 0.05 ‰
160.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	δd13Cmax (‰)	EA, LC-IRMS	-0.8 ‰ to 19.0 ‰/-0.4 ‰
161.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	2-Acetyl-3-Glucopyranoside (2-AFGP)/ 3-O-a- D Glucosyl Isomaltol as a Marker of Rice syrup	LCMS-MS	10 ug/kg to 1000 ug/kg/5 ug/kg
162.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	Foreign Oligosaccharides (% peak)	LC-IRMS	0.7 % to 25 %/0.350%
163.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey	δd13C Fructose- Glucose (‰)	LC-IRMS	-4.0 ‰ to 4 ‰/-2.0 ‰
164.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Honey & honey based products	pH	pH meter	1 to 14 /0.5
165.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Aldrin	GCMS-MS	1.5 µg/kg- 18 µg/kg /0.75 µg/kg
166.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Dieldrin	GCMS-MS	1.5 µg/kg- 18 µg/kg /0.75 µg/kg
167.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Heptachlor	GCMS-MS	1.0 µg/kg- 12 µg/kg /0.5 µg/kg



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	PRODUCTS				
168.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Lindane (γ- Hexachlorocyclohexane)	GCMS-MS	0.25 µg/kg- 3µg/kg /0.125 µg/kg
169.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Alpha- Endosulphan	GCMS-MS	12.5 µg/kg- 150 µg/kg /6.25 µg/kg
170.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Beta- Endosulphan	GCMS-MS	12.5 µg/kg- 150 µg/kg /6.25 µg/kg
171.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Endosulphan sulphate	GCMS-MS	12.5 µg/kg- 150 µg/kg /6.25 µg/kg
172.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Chlordane (Trans, Cis)	GCMS-MS	0.5 µg/kg- 6 µg/kg /0.25 µg/kg
173.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Methoxychlor	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
174.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Ethion	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
175.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Diazinon	GCMS-MS	5 µg/kg- 60 µg/kg /2.5 µg/kg
176.	CHEMICAL/	Milk	Melathion	GCMS-MS	5 µg/kg- 60 µg/kg

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	FOOD AND AGRICULTURAL PRODUCTS				/2.5 µg/kg
177.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Methyl Parathion	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
178.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Fenthion	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
179.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Phorate	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
180.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	α- BHC	GCMS-MS	0.25 µg/kg- 3 µg/kg
181.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	β- BHC	GCMS-MS	0.25 µg/kg- 3 µg/kg /0.125 µg/kg
182.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Fenitrothion	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
183.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Primiphos methyl	GCMS-MS	12.5 µg/kg- 150 µg/kg /6.25 µg/kg
184.	CHEMICAL/ FOOD AND AGRICULTURAL	Milk	Chlorpyriphos	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg



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	PRODUCTS				
185.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Chlorfenvinfos	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
186.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Phenthoate	GCMS-MS	2.5 µg/kg- 30 µg/kg /1.25 µg/kg
187.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	o,p-D.D.T	GCMS-MS	10 µg/kg- 120 µg/kg/5 µg/kg
188.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	p,p-D.D.T	GCMS-MS	10 µg/kg- 120 µg/kg/5 µg/kg
189.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	o,p-D.D.D	GCMS-MS	10 µg/kg- 120 µg/kg /5 µg/kg
190.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	p,p-D.D.D	GCMS-MS	10 µg/kg- 120 µg/kg/5 µg/kg
191.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	o,p-D.D.E	GCMS-MS	10 µg/kg- 120 µg/kg/5 µg/kg
192.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	p,p-D.D.E	GCMS-MS	10 µg/kg- 120 µg/kg/5 µg/kg
193.	CHEMICAL/	Milk	Cypermethrin	GCMS-MS	6.25 µg/kg

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	FOOD AND AGRICULTURAL PRODUCTS				
194.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Fenvalerate	GCMS-MS	5 µg/kg- 60 µg/kg /2.5 µg/kg
195.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Carbendazim	GCMS-MS	2.5 µg/kg-15 µg/kg /1.5 µg/kg
196.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Benomyl	GCMS-MS	2.5 µg/kg-15 µg/kg /1.5 µg/kg
197.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk	Imidacloprid	GCMS-MS	5 µg/kg-30 µg/kg
198.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Cadmium	ICP-MS	20 µg/kg to 500 µg/kg/10 µg/kg
199.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Lead	ICP-MS	8.0 µg/kg to 500 µg/kg/4 µg/kg
200.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Aflatoxin M1	LCMSMS	0.03 µg/kg to 0.3 µg/kg/0.02 µg/kg
201.	CHEMICAL/ FOOD AND AGRICULTURAL	Milk and Cereal	Hypercine	HPLC	0.5 mg/kg- 20 mg/kg/0.15mg/kg



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	PRODUCTS				
202.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Cereal	Saffrole	HPLC	0.5 mg/kg- 15 mg/kg/0.5mg/kg
203.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk and Cereal	Agaric Acid	LCMSMS	20mg/kg- 100 mg/kg/10mg/kg
204.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	PCB-28 (2,4,4' -PCB)	GCMSMS	2.5 µg/kg- 30 µg/kg/1.5 µg/kg
205.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	PCB-52 (2,2',5,5' -PCB)	GCMSMS	2.5 µg/kg- 30 µg/kg/1.5 µg/kg
206.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	PCB-101 (2,2',4,5,5' -PCB)	GCMSMS	2.5 µg/kg- 30 µg/kg/1.5 µg/kg
207.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	PCB-138 (2,2',3,4,4',5 -PCB)	GCMSMS	2.5 µg/kg- 30 µg/kg/1.5 µg/kg
208.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	PCB-153 (2,2,4,4',5,5' -PCB)	GCMSMS	2.5 µg/kg- 30 µg/kg/1.5 µg/kg
209.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	PCB-180 (2,2',3,4,4',5,5'-PCB)	GCMSMS	2.5 µg/kg- 30 µg/kg/1.5 µg/kg
210.	CHEMICAL/	Milk & Dairy	Arsenic	ICPMS	0.012 mg/kg to 0.15

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	FOOD AND AGRICULTURAL PRODUCTS	Products			mg/kg/0.006 mg/kg
211.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Mercury	ICPMS	0.012 mg/kg to 0.15 mg/kg/0.006 mg/kg
212.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Moisture	Gravimetric	0.1 % to 40 %
213.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products,	Ash	Gravimetric	0.1 to 15 %
214.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Total Solids	Gravimetric	0.2 – 99 %
215.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Insolubility Index	Chemical	0.1– 2.0 ml
216.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Titrateable Acidity	Titrimetric	0.01– 5 %
217.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Total Milk Solids	Gravimetric	0.2 % to 99 %
218.	CHEMICAL/ FOOD AND AGRICULTURAL	Milk & Milk Products	Milk Solids not Fat	Gravimetric (By calculation)	0.1 % to 90 %



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	PRODUCTS				
219.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Acid Insoluble Ash	Gravimetric	0.1– 15 %
220.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Total Added Sugar	Titrimetric	0.5 % to 50 %
221.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Milk Protein	Titrimetric	0.5-70%
222.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Lactose	Titrimetric	0.5 % to 50 %
223.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Reichert Meissl Value	Titrimetric	1to 50
224.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Polenske Value	Titrimetric	0.5to 3.0
225.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Free Fatty Acid (As Oleic Acid)	Titrimetric	0.1 % to 5 %
226.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Peroxide Value	Titrimetric	0.1 – 10 meq/kg
227.	CHEMICAL/	Milk Products	Salt	Titrimetric	0.1 % to 10 %

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	FOOD AND AGRICULTURAL PRODUCTS				
228.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Insoluble impurities	Gravimetric	0.5 % to 5 %
229.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Saponification Value	Titrimetric	10 - 300
230.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Iodine Value	Titrimetric	10 - 300
231.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Unsaponifiable Matter	Titrimetric	0.2 % to 10 %
232.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Baudouin Test	Chemical	NA
233.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Curd	Gravimetric	0.1 % to 15 %
234.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Butyro Refractometer Reading at 40 deg C	Refractometric	20to 60
235.	CHEMICAL/ FOOD AND AGRICULTURAL	Milk Products	Vitamin C	Titrimetric	1 mg/100g to 1000 mg/100g



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	PRODUCTS				
236.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Fat	Gravimetric	0.1 % to 40 %
237.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Crude Fiber	Gravimetric	0.01-40%
238.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Sucrose	Titrimetric Method	1-95%
239.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Protein	Titrimetric Method	1 % to 40 %
240.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Phosphatase Test	Qualitative	NA
241.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Acidity	Titrimetric	0.01 % to 5 %
242.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Energy	By calculation	1to 900 Kcal/100g
243.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Carbohydrates	By calculation	1 % to99 %
244.	CHEMICAL/	Milk & Milk Products,	Total Sugar	Titrimetric	1 % to 95 %

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	FOOD AND AGRICULTURAL PRODUCTS				
245.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Scorched Particle	Refractometer	7.5 mg to 32.5 mg
246.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Condensed Milk	Lactose Crystal	Microscopic	LOD: 1%
247.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Chloestrol	GC	0.5 mg/kg
248.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Vitamin E	HPLC	0.3 mg/kg to 12 mg/kg/0.3 mg/kg
249.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Powder	Vitamin A	HPLC-DAD	2 mg/kg to 80 mg/kg/1 ppm
250.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Milk Products	Vitamin C	Titrimetric	1 mg/100g to 100mg/100g
251.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Tricyclazole	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
252.	CHEMICAL/ FOOD AND AGRICULTURAL	Rice	Thiophanate-methyl	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg



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	PRODUCTS				
253.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Isoprothiolane	LCMS MS	20 µg/kg-500 µg/kg /10 µg/kg
254.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Flonicamide	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
255.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Metconazole	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
256.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Prothioconazole	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
257.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Tebufenozide	LCMS MS	20 µg/kg-500 µg/kg /10 µg/kg
258.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Acephate	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
259.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Carbofuran	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
260.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Carbofuran 3-hydroxy	LCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
261.	CHEMICAL/	Rice/ Basmati Rice	Methamidophos	LCMS MS	5 µg/kg- 50 µg/kg

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	FOOD AND AGRICULTURAL PRODUCTS				/2.5 µg/kg
262.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Thiamethoxam	LCMS MS	5 µg/kg- 50 µg/kg /2.5 µg/kg
263.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Clothianidin	LCMS MS	5 µg/kg- 50 µg/kg /2.5 µg/kg
264.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Carbofuran	LCMS MS	5 µg/kg- 50 µg/kg /1.25 µg/kg
265.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Desthio- Prothioconazole	LCMS MS	5 µg/kg- 50 µg/kg /2.5 µg/kg
266.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Carbosulfan	LCMS MS	5 µg/kg- 50 µg/kg /2.5 µg/kg
267.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Chlorpyrifos	GCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
268.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Chlorpyrifos- Methyl	GCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
269.	CHEMICAL/ FOOD AND AGRICULTURAL	Rice/ Basmati Rice	Profenofos	GCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg



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	PRODUCTS				
270.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Propiconazole (I,II)	GCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
271.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice/ Basmati Rice	Tebuconazole	GCMS MS	5 µg/kg-30 µg/kg /2.5 µg/kg
272.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Pirimiphos Methyl	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
273.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Fenthion	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
274.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Quinalphos	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
275.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Butachlor	GCMSMS	25 µg/kg-250 µg/kg /12.5 µg/kg
276.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Buprofezin	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
277.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Fenthion Sulfone	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
278.	CHEMICAL/	Rice	Fenthion Sulphoxide	GCMSMS	5 µg/kg-30 µg/kg

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	FOOD AND AGRICULTURAL PRODUCTS				/2.5 µg/kg
279.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Triazophos	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
280.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Bifenthrin	GCMSMS	5 µg/kg-30 µg/kg /2.5 µg/kg
281.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice	Cyfluthrin (I,II,III,IV)	GCMSMS	10 µg/kg-50 µg/kg /5 µg/kg
282.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Pulses Rice & Basmati Rice	Extraneous matter (Organic & Inorganic), Mould, Living & Dead Insects, Insects damaged matter, Light seed, Brown seed, Red seed, weevilled, empty & Malformed capsules, Unripe & Marked fruits, Broken fruits seeds & fragments, Tendrils, Mother cloves, khokar cloves, headless cloves, split fruits, Damaged & discolored fruits, Light berries, Damaged berries, Other edible grains Detection of Kesari dal etc.	Visual / Gravimetric	0.1 % to 20 % /0.05%
283.	CHEMICAL/ FOOD AND	Rice & Basmati Rice	Damaged & Discolored grains	Visual / Gravimetric	0.1 % to 20 % /0.05%



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	AGRICULTURAL PRODUCTS				
284.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Precook Length	Vernier Caliper	0.1 % to 20 % /0.05%
285.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	L/B ratio	Vernier Caliper	0.1 % to 20 % /0.05%
286.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Broken & Fragment	Visual / Gravimetric	0.1 % to 20 % /0.05%
287.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Foreign matter	Visual / Gravimetric	0.1 % to 20 % /0.05%
288.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Green & Immature grains	Visual / Gravimetric	0.1 % to 20 % /0.05%
289.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Chalky rice	Visual / Gravimetric	0.1 % to 20 % /0.05%
290.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Black kernels	Visual / Gravimetric	0.1 % to 20 % /0.05%
291.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Under milled grains & red stripped grains	Visual / Gravimetric	0.1 % to 20 % /0.05%



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292.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Basmati Rice	Paddy grains	Visual / Gravimetric	0.1 % to 20 % /0.05%
293.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Other rice including Red grains	Visual / Gravimetric	0.1 % to 20 % /0.05%
294.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Weevilled grains	Visual / Gravimetric	0.1 % to 20 % /0.05%
295.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Elongation ratio	Visual / Gravimetric	0.1 % to 20 % /0.05%
296.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Rice & Basmati Rice	Other grains	Visual / Gravimetric	0.1 % to 20 % /0.05%
297.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Basmati Rice	Cadmium	ICP-MS	40 µg/kg to 1000 µg/kg/20 µg/kg
298.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Basmati Rice	Lead	ICP-MS	40 µg/kg to 375 µg/kg/20 µg/kg
299.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Basmati Rice	Arsenic	ICP-MS	40 µg/kg to 150 µg/kg/20 µg/kg
300.	CHEMICAL/ FOOD AND	Fruits & Vegetables	Cadmium	ICP-MS	20 µg/kg to 75 µg/kg/10 µg/kg

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	AGRICULTURAL PRODUCTS				
301.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Lead	ICP-MS	20 µg/kg to 150 µg/kg/10 µg/kg
302.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Arsenic	ICP-MS	20 µg/kg to 150 µg/kg/10 µg/kg
303.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables and their products	Lead	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.01 mg/kg
304.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables and their products	Arsenic	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.01 mg/kg
305.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables and their products	Cadmium	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.01 mg/kg
306.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Moisture	Gravimetric/ Distillation	0.1-90%
307.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Ash	Gravimetric	0.1-25%
308.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Acidity	Titrimetric	0.01 -10%



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309.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Total Reducing Sugars	Titrimetric	1 % to 90 %
310.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Protein	Titrimetric	1 % to 80 %
311.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Total Energy	By Calculation	1 Kcal/100g to 900 kcal/100g
312.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Carbohydrates	By Calculation	1 % to 98%
313.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Fat	Moisture	0.1 % to 40 %
314.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Crude Fiber	Gravimetric	0.01 % to 40 %
315.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Dietry Fiber	Gravimetric & Titrimetric	1-30%
316.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Acid Insoluble Ash	Gravimetric	0.01 % to 5 %
317.	CHEMICAL/ FOOD AND	Fruits & Vegetables	Salt	Titrimetric Method	0.%5to 30%

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	AGRICULTURAL PRODUCTS				
318.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Benzoic Acid	Titrimetric Method	50 mg/kg to 500 mg/kg
319.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Sodium chloride	Titrimetric Method	0.5% to 30%
320.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Total Soluble solids	Refractrometer	1° brix to 80° brix
321.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Drained weight	Gravimetric	25 % to 80 %
322.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Peel in suspension	Gravimetric	2 % to 25 %
323.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Total Sugars	Titrimetric Method	1 % to 90 %
324.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables	Sulphur dioxide	Titrimetric Method	10 mg/kg to 1000 mg /kg
325.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits & Vegetables products	Vitamin C	Titrimetric	1 mg/100g to 100mg/100g



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326.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits, Juices & Concentrates	Moisture	Gravimetric method	1 % to 99 %
327.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables	Hypercine	HPLC	0.5 mg/kg- 20 mg/kg/0.15mg/kg
328.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables	Saffrole	HPLC	0.5 mg/kg- 15 mg/kg/0.5mg/kg
329.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables & their products, Ready to eat, canned food, Thermally processed	Total Aflatoxin B1	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
330.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables & their products, Ready to eat, canned food, Thermally processed	B2	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
331.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables & their products, Ready to eat, canned food, Thermally processed	G1	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
332.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables & their products, Ready to eat, canned food, Thermally processed	G2	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
333.	CHEMICAL/ FOOD AND	Fruit and Vegetable products, Pickles,	pH	pH meter	1-14

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	AGRICULTURAL PRODUCTS	Beverages, Jams & Jellies, Murabba			
334.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Salt	Titrimetic	0.5-30 %
335.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Total Soluble Solids	Refractometer	1.0- 80°Brix
336.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Acidity	Titrimetic	0.01 -10%
337.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Drained Weight	Gravimetric	25 -80 %
338.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Moisture	Gravimetric	0.1-20%
339.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Total Ash	Gravimetric	0.1 - 20%
340.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit and Vegetable products, Pickles, Beverages, Jams & Jellies, Murabba	Acid Insoluble Ash	Gravimetric	0.1-5%
341.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruits and Vegetables	Agaric Acid	LCMSMS	20mg/kg- 100 mg/kg/10mg/kg



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342.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Starch	Qualitative	NA
343.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Acid Insoluble Ash	Gravimetric method	0.01 % to 5 %
344.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Salt	Titrimetric	0.5 % to 30 %
345.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Protein	Titrimetric	0.1 % to 40 %
346.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Energy	By calculation	1to 900 Kcal/100g
347.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Carbohydrates	By calculation	1% to99 %
348.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Juices & concentrates	Total Sugar	Titrimetric	1 % to 90 %
349.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Sulphur dioxide SO ₂	Titrimetric	10 mg/kg to 1000mg/kg
350.	CHEMICAL/ FOOD AND	Fruit Juices & concentrates	Brix/Total Soluble solids	Refractometer	1°Brix to 80 °Brix

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	AGRICULTURAL PRODUCTS				
351.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit Juices & concentrates	Vitamin C	Titrimetric	1 mg/100gm to 1000 mg/100g
352.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Fruit, juices & concentrates	pH	pH meter	1to 14 /0.5
353.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals	Total Aflatoxin B1	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
354.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals	B2	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
355.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals	G1	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
356.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals	G2	HPLC_by Kobra cell	0.5 µg/kg to 6.0 µg/kg/0.25 µg/kg
357.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereals Products	Water soluble Vitamins	Titrimetric	1 – 1000 mg/100g
358.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereals Products	B1	HPLC	0.05 mg/100g to 3.0 mg/100g/0.25 mg/100g



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359.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereals Products	B2	HPLC	0.05 mg/100g to 3.0 mg/100g/0.25 mg/100g
360.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereals and Cereals Products	B6	HPLC	0.05 mg/100g to 3.0 mg/100g/0.05 mg/100g
361.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Nickel	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.006 mg/kg
362.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Lead	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.006 mg/kg
363.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Arsenic	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.006 mg/kg
364.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Cadmium	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.006 mg/kg
365.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Mercury	ICP-MS	0.02 mg/kg to 0.15 mg/kg/0.006 mg/kg
366.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Test for Argemone Oil	Thin-layer chromatography	NA
367.	CHEMICAL/ FOOD AND	Oils & Fats	Test of Hydrocyanic acid (Ferric Chloride Test)	Qualitative	NA

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	AGRICULTURAL PRODUCTS				
368.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Refractive Index	Refractometer	1.3000to 1.7000
369.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	BR reading at 40°C	Refractometer	30.0-90.0
370.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Saponification value	Titrimetic	10 - 300
371.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Iodine value	Titrimetic	7 - 250
372.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Acid value	Titrimetic	0.1-30
373.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Unsaponifiable matter	Titrimetic	0.2 - 10%
374.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Bellier Test (Turbidity temperature-Acetic acid Method	Thermometer	1-40 degree celcius
375.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	Fatty Acid Profiling	Thermometer	1-40 degree celcius



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376.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_Linoleic_Acid	GC-FID	0.01 - 80 %
377.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_y-Linolenic_Acid	GC-FID	0.01 - 80 %
378.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_Linolenic_Acid	GC-FID	0.01 - 80 %
379.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_Arachidonic_Acid	GC-FID	0.01 - 80 %
380.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_cis-11,14-Eicosadienoic_Acid	GC-FID	0.01 - 80 %
381.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_cis-8,11,14-Eicosatrienoic_Acid	GC-FID	0.01 - 80 %
382.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_cis-11,14,17-Eicosatrienoic_Acid	GC-FID	0.01 - 80 %
383.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_Cis13,16-Docosadienoic_Acid)	GC-FID	0.01 - 80 %
384.	CHEMICAL/ FOOD AND	Oils & Fats	P_cis-5,8,11,14,17-Eicosapentenoic_Acid	GC-FID	0.01 - 80 %



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	AGRICULTURAL PRODUCTS				
385.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	P_cis-4,7,10,13,16,19-Docosahexaii	GC-FID	0.01 - 80 %
386.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Butyric_Acid	GC-FID	0.01 - 90 %
387.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Caproic_Acid	GC-FID	0.01 - 90 %
388.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Caprylic_Acid	GC-FID	0.01 - 90 %
389.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Capric_Acid	GC-FID	0.01 - 90 %
390.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Undecanoic_Acid	GC-FID	0.01 - 90 %
391.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Lauric_Acid	GC-FID	0.01 - 90 %
392.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Tridecanoic_Acid	GC-FID	0.01 - 90 %



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393.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Myristic_Acid	GC-FID	0.01 - 90 %
394.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Pentadecanoic_Acid	GC-FID	0.01 - 90 %
395.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Palmitic_Acid	GC-FID	0.01 - 90 %
396.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Heptadecanoic_Acid	GC-FID	0.01 - 90 %
397.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Stearic_Acid	GC-FID	0.01 - 90 %
398.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Arachidic_acid	GC-FID	0.01 - 90 %
399.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Heneicosanoic_acid	GC-FID	0.01 - 90 %
400.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Behenic_Acid	GC-FID	0.01 - 90 %
401.	CHEMICAL/ FOOD AND	Oils & Fats	S_Tricosanoic_acid	GC-FID	0.01 - 90 %

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	AGRICULTURAL PRODUCTS				
402.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	S_Lignoceric_acid	GC-FID	0.01 - 90 %
403.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	T_Elaidic Acid	GC-FID	0.01 % to 15 %
404.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	T_Linolelaidic Acid	GC-FID	0.01 % to 15 %
405.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_Myristoleic_Acid	GC-FID	0.01 - 70 %
406.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_cis-10-Pentadecanoic_Acid	GC-FID	0.01 - 70 %
407.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_Palmetoleic_Acid	GC-FID	0.01 - 70 %
408.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_cis-10-Heptadecanoic_Acid	GC-FID	0.01 - 70 %
409.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_Oleic_Acid	GC-FID	0.01 - 70 %



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410.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_Cis-11-Eicosanoic_Acid	GC-FID	0.01 - 70 %
411.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_Erucic_Acid	GC-FID	0.01 - 70 %
412.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Oils & Fats	M_Nervonic_Acid	GC-FID	0.01 - 70 %
413.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat (RTE) and Ready to Cook (RTC) Foods	Lead	ICP-MS	0.05 mg/kg to 0.5 mg/kg/0.15 mg/kg
414.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat (RTE) and Ready to Cook (RTC) Foods	Cadmium	ICP-MS	0.05 mg/kg to 0.5 mg/kg/0.15 mg/kg
415.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat (RTE) and Ready to Cook (RTC) Foods	Arsenic	ICP-MS	0.05 mg/kg to 0.5 mg/kg/0.15 mg/kg
416.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat (RTE) and Ready to Cook (RTC) Foods	Tin	ICP-MS	0.5 mg/kg to 500 mg/kg/0.15 mg/kg
417.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat (RTE) and Ready to Cook (RTC) Foods	Mercury	ICP-MS	0.05 mg/kg to 0.5 mg/kg/0.15 mg/kg
418.	CHEMICAL/ FOOD AND	Ready to cook & Ready to eat foods	Moisture	Gravimetric method	0.1 % to 50 %

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	AGRICULTURAL PRODUCTS				
419.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Ash	Gravimetric method	0.1 % to 20 %
420.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Vitamin C	Titrimetric	1mg/100gm to 1000 mg/100g
421.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat	Agaric Acid	LCMSMS	20mg/kg- 100 mg/kg/10mg/kg
422.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat	Hypercine	HPLC	0.5 mg/kg- 20 mg/kg/0.15mg/kg
423.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat	Saffrole	HPLC	0.5 mg/kg- 15 mg/kg/0.5mg/kg
424.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Fat	Soxhlet	0.1 % to 90 %
425.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Salt	Titrimetric	0.5% to 10%
426.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Protein	Titrimetric	0.1 % to 40 %



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427.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Total Sugar	Titrimetric	1 % to 90 %
428.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Ready to cook & Ready to eat foods	Brix/Total Soluble solids	Refractometer	1°Brix to 80 °Brix
429.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Infant Foods and Complementary Foods	Lead	ICP-MS	0.02 mg/kg to 0.5 mg/kg/0.006 mg/kg
430.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Infant Foods and Complementary Foods	Cadmium	ICP-MS	0.016 mg/kg to 0.5 mg/kg/0.005 mg/kg
431.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Infant Foods and Complementary Foods	Tin	ICP-MS	0.2 mg/kg to 50 mg/kg/0.04 mg/kg
432.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Infant Foods and Complementary Foods	Arsenic	ICP-MS	0.02 mg/kg to 0.5 mg/kg/0.006 mg/kg
433.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Infant foods	Vitamin C	Titrimetric	1mg/100gm to 1000 mg/100g
434.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices	Total Aflatoxin (B1, B2, G1, G2)	HPLC	0.5 µg/kg to 20µg/kg/0.25µg/kg
435.	CHEMICAL/ FOOD AND	Spices	B2	HPLC	0.5 µg/kg to 20µg/kg/0.25µg/kg

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	AGRICULTURAL PRODUCTS				
436.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices	G1	HPLC	0.5 µg/kg to 20µg/kg/0.25µg/kg
437.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices	G2	HPLC	0.5 µg/kg to 20µg/kg/0.25µg/kg
438.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments	Agaric Acid	LCMSMS	20mg/kg- 100 mg/kg/10mg/kg
439.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments	Hypercine	HPLC	0.5 mg/kg- 20 mg/kg/0.15mg/kg
440.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments	Saffrole	HPLC	0.5 mg/kg- 15 mg/kg/0.5mg/kg
441.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Moisture	Dean and stalk method	1 % to 40 %
442.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Ash	Gravimetric method	0.1 % to 25 %
443.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments	Starch	Titrimetric	0.5 % to 70 %



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444.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Acid Insoluble Ash	Gravimetric method	0.01 % to 25 %
445.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Salt	Titrimetric	0.2 % to 10 %
446.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Protein	Titrimetric	0.1 % to 40 %
447.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Crude Fiber	Gravimetric method	1 % to 40 %
448.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Water Insoluble Ash	Gravimetric	0.01 % to 25 %
449.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Alcohol Soluble extract	Gravimetric	0.1 % to 50 %
450.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Volatile Oil		0.1 % to 30 %
451.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Non-volatile ether extract	Gravimetric	1 % to 70 %
452.	CHEMICAL/ FOOD AND	Spices & condiments	Cold water soluble extract	Gravimetric	0.1 % to 90 %

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	AGRICULTURAL PRODUCTS				
453.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Curcumin content	Spectrophotometric	0.5 % to 20 %
454.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & condiments	Presence of chromate	Qualitative	NA
455.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Spices & Condiments Cereal	Extraneous matter (Organic & Inorganic), Mould, Living & Dead Insects, Insects damaged matter, Light seed, Brown seed, Red seed, weevilled, empty & Malformed capsules, Unripe & Marked fruits , Broken fruits seeds & fragments, Tendrils, Mother cloves, khokar cloves, headless cloves, split fruits, Damaged & discolored fruits , Light berries, Damaged berries, Other edible grains Detection of Kesari dal etc.	Visual / Gravimetric	0.1 % to 20 % 0.2 /0.05%
456.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery	Agaric Acid	LCMSMS	20mg/kg- 100 mg/kg/10mg/kg
457.	CHEMICAL/ FOOD AND AGRICULTURAL	Bakery	Hypercine	HPLC	0.5 mg/kg- 20 mg/kg/0.15mg/kg



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	PRODUCTS				
458.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery	Saffrole	HPLC	0.5 mg/kg- 15 mg/kg/0.5mg/kg
459.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products	Moisture	Gravimetric method	0.1 % to 10 %
460.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products	Ash	Gravimetric method	0.1 % to 10 %
461.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products	Vitamin C	Titrimetric	1 mg/100gm to 1000 mg/100g
462.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery products	Acidity	Titrimetric	0.01 % to 8 %
463.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery products	Acidity of extracted fat	Titrimetric	0.01 % to 5 %
464.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionary	Alcoholic Acidity	Titrimetric	0.02 % to 5 %
465.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionary	Fat	Soxhlet	0.01 % to 35 %
466.	CHEMICAL/	Bakery &	Acid Insoluble Ash	Gravimetric method	0.01 % to 0.2 %

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	FOOD AND AGRICULTURAL PRODUCTS	confectionary			
467.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionary	Salt	Titrimetric	0.2 % to 10 %
468.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionary	Protein	Titrimetric	0.1 % to 40 %
469.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionary	Energy	By calculation	1to 900 Kcal/100g
470.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionary	Carbohydrates	By calculation	1 % to99 %
471.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery Products	Dietary Fiber	Enzymatic method	1 % to 50 %
472.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery & confectionary	Total Sugar	Titrimetric	1 % to 80 %
473.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Bakery products	Sulphur dioxide SO ₂	Titrimetric	10 mg/kg to 1000mg/kg
474.	CHEMICAL/ FOOD AND AGRICULTURAL	Bakery	Acrylamide	LCMSMS	5 ug/kg to 75 ug/kg

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	PRODUCTS				
475.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food, Fortified Atta, Canned vegetables	Vitamin A	HPLC-DAD	2 mg/kg to 80 mg/kg/1 ppm
476.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	Vitamin D (Colecalciferol)	HPLC-DAD	30 ug/kg to 30 mg/kg/15 ppm
477.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	Fatty Acid Profiling	HPLC-DAD	30 ug/kg to 30 mg/kg/15 ppm
478.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_Linoleic_Acid	GC-FID	0.01 - 80 %
479.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_y-Linolenic_Acid	GC-FID	0.01 - 80 %
480.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_Linolenic_Acid	GC-FID	0.01 - 80 %
481.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_Arachidonic_Acid	GC-FID	0.01 - 80 %
482.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_cis-11,14-Eicosadienoic_Acid	GC-FID	0.01 - 80 %
483.	CHEMICAL/	Cereal Based	P_cis-8,11,14-	GC-FID	0.01 - 80 %



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	FOOD AND AGRICULTURAL PRODUCTS	Complementary Food,	Eicosatrienoic_Acid		
484.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_cis-11,14,17-Eicosatrienoic_Acid	GC-FID	0.01 - 80 %
485.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_Cis13,16-Docosadienoic_Acid)	GC-FID	0.01 - 80 %
486.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_cis-5,8,11,14,17-Eicosapentenoic_Acid	GC-FID	0.01 - 80 %
487.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	P_cis-4,7,10,13,16,19-Docosahexaii	GC-FID	0.01 - 80 %
488.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Butyric_Acid	GC-FID	0.01 - 90 %
489.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Caproic_Acid	GC-FID	0.01 - 90 %
490.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Caprylic_Acid	GC-FID	0.01 - 90 %
491.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Capric_Acid	GC-FID	0.01 - 90 %

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of Test Performed / Tests or type of tests Performed	Test Method Specification against which tests are performed and / or the techniques / equipment used	Range of Testing / Limits of Detection
	PRODUCTS				
492.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Undecanoic_Acid	GC-FID	0.01 - 90 %
493.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Lauric_Acid	GC-FID	0.01 - 90 %
494.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Tridecanoic_Acid	GC-FID	0.01 - 90 %
495.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Myristic_Acid	GC-FID	0.01 - 90 %
496.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Pentadecanoic_Acid	GC-FID	0.01 - 90 %
497.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Palmitic_Acid	GC-FID	0.01 - 90 %
498.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Heptadecanoic_Acid	GC-FID	0.01 - 90 %
499.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Stearic_Acid	GC-FID	0.01 - 90 %
500.	CHEMICAL/	Cereal Based	S_Arachidic_acid	GC-FID	0.01 - 90 %

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	FOOD AND AGRICULTURAL PRODUCTS	Complementary Food,			
501.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Heneicosanoic_acid	GC-FID	0.01 - 90 %
502.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Behenic_Acid	GC-FID	0.01 - 90 %
503.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Tricosanoic_acid	GC-FID	0.01 - 90 %
504.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	S_Lignoceric_acid	GC-FID	0.01 - 90 %
505.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	T_Elaidic Acid	GC-FID	0.01 % to 15 %
506.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	T_Linolelaidic Acid	GC-FID	0.01 % to 15 %
507.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_Myristoleic_Acid	GC-FID	0.01 - 70 %
508.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_cis-10-Pentadecanoic_Acid	GC-FID	0.01 - 70 %

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	PRODUCTS				
509.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_Palmetoleic_Acid	GC-FID	0.01 - 70 %
510.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_cis-10-Heptadecanoic_Acid	GC-FID	0.01 - 70 %
511.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_Oleic_Acid	GC-FID	0.01 - 70 %
512.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_Cis-11-Eicosanoic_Acid	GC-FID	0.01 - 70 %
513.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_Erucic_Acid	GC-FID	0.01 - 70 %
514.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal Based Complementary Food,	M_Nervonic_Acid	GC-FID	0.01 - 70 %
515.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Moisture	Gravimetric method	0.1 % to 20 %
516.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Ash	Gravimetric method	0.1 % to 20 %
517.	CHEMICAL/	Cereal & Cereal	Acidity	Titrimetric	0.01 % to 5 %

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	FOOD AND AGRICULTURAL PRODUCTS	products			
518.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Alcoholic Acidity	Titrimetric	0.02 % to 5 %
519.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Starch	Titrimetric	10 % to 99 %
520.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Fat	Soxhlet	0.01 % to 25 %
521.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Acid Insoluble Ash	Gravimetric method	0.02 % to 5 %
522.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Protein	Titrimetric	0.1 % to 40 %
523.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Energy	By calculation	1to 900 Kcal/100g
524.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Carbohydrates	By calculation	1 % to99 %
525.	CHEMICAL/ FOOD AND AGRICULTURAL	Cereal & Cereal products	Crude Fiber	Gravimetric method	0.01 % to 40 %

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	PRODUCTS				
526.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Cereal & Cereal products	Gluten	Gravimetric	1 % to 20 %
527.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Curried vegetables	Sudan Dyes (I)	LCMSMS	7.5 µg/kg to 100 µg/kg
528.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Curried vegetables	Sudan Dyes (II)	LCMSMS	7.5 µg/kg to 100 µg/kg
529.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Curried vegetables	Sudan Dyes (III)	LCMSMS	7.5 µg/kg to 100 µg/kg
530.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Curried vegetables	Sudan Dyes (IV)	LCMSMS	7.5 µg/kg to 100 µg/kg
531.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Curried vegetables	Sudan Dyes (III)	LCMSMS	7.5 µg/kg to 100 µg/kg
532.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Curried vegetables	Sudan Dyes (IV)	LCMSMS	7.5 µg/kg to 100 µg/kg
533.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Moisture	Gravimetric method	0.1 % to 95 %
534.	CHEMICAL/	Sugar &	Sucrose	Titrimetric Method	1 % to 95 %

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	FOOD AND AGRICULTURAL PRODUCTS	Confectionary Products			
535.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Ash	Gravimetric method	0.1 % to 20 %
536.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Sulphated Ash	Gravimetric method	0.1 % to 20 %
537.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Acidity	Titrimetric	0.02 % to 5 %
538.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Total Reducing Sugar	Titrimetric	1 % to 95 %
539.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Fat	Soxhlet	0.01 % to 35 %
540.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Acid Insoluble Ash	Gravimetric method	0.01 % to 5.0 %
541.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Protein	Titrimetric	0.1 % to 40 %
542.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Energy	By calculation	1to 900 Kcal/100g

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	PRODUCTS				
543.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Carbohydrates	By calculation	1 % to99 %
544.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Sulphur dioxide SO ₂	Titrimetric	10 mg/kg to 1000mg/kg
545.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Sugar & Confectionary Products	Brix/Total Soluble solids	Refractometer	1°Brix to 80 °Brix
546.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts products	Moisture	Gravimetric method	1 % to 50 %
547.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts products	Ash	Gravimetric method	0.01 % to 25 %
548.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts products	Protein	Titrimetric	0.1 % to 40 %
549.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts products	Energy	By calculation	1to 900 Kcal/100g
550.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Nuts & Nuts products	Carbohydrates	By calculation	1 % to99 %
551.	CHEMICAL/	Tea	Water Extract	Gravimetric	0.1- 60%

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	FOOD AND AGRICULTURAL PRODUCTS				
552.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Tea	Sugar	Titrimetic	1-95%
553.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Candy	Reducing Sugar	Titrimetic	1-95%
554.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Candy	pH	pH meter	41640
555.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Candy	Total Soluble Solids	Refractometer	1.0- 80°Brix
556.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Candy	Acidity	Titrimetic	0.01 -10%
557.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Moisture	Gravimetric	0.1-10%
558.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Energy	By Calculation	1-900 Kcal/100g
559.	CHEMICAL/ FOOD AND AGRICULTURAL	Biscuits	Carbohydrates	By Calculation	1-98%

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	PRODUCTS				
560.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Fat	Gravimetric	0.01 – 35 %
561.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Sugar	Titrimetic	1-80%
562.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Acidity of extracted fat	Titrimetic	0.01 – 5 %
563.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Ash	Gravimetric	0.1-10%
564.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Acid Insoluble Ash	Gravimetric	0.01-0.2%
565.	CHEMICAL/ FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Vitamin C	Titrimetic	1 – 1000 mg/100g
566.	CHEMICAL/ WATER	Water	Alkalinity (as CaCO ₃), mg/l, Max	Titration	1 mg/l to 2500 mg/l
567.	CHEMICAL/ WATER	Water	Aluminium (as Al), mg/l, Max	Titration	0.01 mg/l to 5.0 mg/l/0.005 mg/l
568.	CHEMICAL/ WATER	Water	Anionic surface active agents (as MBAS), mg/l, Max	Colorimetric	0.05 mg/l to 5 mg/l
569.	CHEMICAL/ WATER	Water	Arsenic (as As), mg/l, Max	Analytical Equipments as per requirement	0.005 mg/l to 5 mg/l/0.0025 mg/l

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570.	CHEMICAL/ WATER	Water	Cadmium (Cd)	Analytical Equipments as per requirement	0.001 mg/l to 1 mg/l/0.0005 mg/l
571.	CHEMICAL/ WATER	Water	Calcium (as Ca), mg/l, Max	Titration	1 mg/l to 500 mg/l
572.	CHEMICAL/ WATER	Water	Chloride (as Cl), mg/l, Max	Titration	1 mg/l to 1000 mg/l/0.5 mg/l
573.	CHEMICAL/ WATER	Water	Chromium (as Cr), mg/l, Max	Titration	0.005 mg/l to 5 mg/l/0.0025 mg/l
574.	CHEMICAL/ WATER	Water	Colour (Hazen units), Max	Spectrophotometer	1 CU to 500 CU
575.	CHEMICAL/ WATER	Water	Copper (as Cu), mg/l, Max	Spectrophotometer	0.005 mg/l to 5.0 mg/l/0.0025 mg/l
576.	CHEMICAL/ WATER	Water	Fluoride (as F), mg/l, Max	Spectrophotometer	0.5 mg/l to 5.0 mg/l/0.2 mg/l
577.	CHEMICAL/ WATER	Water	Iron (Fe)	Spectrophotometer	0.01 mg/l to 10.0 mg/l/0.005 mg/l
578.	CHEMICAL/ WATER	Water	Lead (as Pb), mg/l, Max	Spectrophotometer	0.005 mg/l to 5 mg/l/0.01 µg/l
579.	CHEMICAL/ WATER	Water	Magnesium (as Mg), mg/l, Max	Titration	1 mg/l to 200 mg/l/0.2 mg/l
580.	CHEMICAL/ WATER	Water	Manganese (as Mn), mg/l, Max	Titration	0.005 mg/l to 10.0 mg/l/0.0025 mg/l
581.	CHEMICAL/ WATER	Water	Mercury (as Hg), mg/l, Max	Analytical Equipments as per requirement	0.0005 mg/l to 1 mg/l/0.00025 mg/l
582.	CHEMICAL/ WATER	Water	Mineral oil, mg/l, Max	FTIR	0.01 mg/l to 5.0 mg/l
583.	CHEMICAL/ WATER	Water	Nitrate (as NO ₃), mg/l, Max	Spectrophotometer	0.3 mg/l to 100 mg/l/0.1 mg/l
584.	CHEMICAL/ WATER	Water	Odour	Spectrophotometer	0.3 mg/l to 100 mg/l/0.1 mg/l
585.	CHEMICAL/ WATER	Water	pH	pH meter	1-14
586.	CHEMICAL/ WATER	Water	Phenolic compounds (as C ₆ H ₅ OH), mg/l, Max	Colorimetric	0.0006 mg/l to 5 mg/l

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587.	CHEMICAL/ WATER	Water	Residual free chlorine, mg/l	Spectrophotometer	0.1 mg/l to 5 mg/l
588.	CHEMICAL/ WATER	Water	Selenium	Spectrophotometer	0.005 mg/l to 5 mg/l/0.0025 mg/l
589.	CHEMICAL/ WATER	Water	Sulfate (SO4)	Spectrophotometer	2 mg/l to 500 mg/l/0.2 mg/l
590.	CHEMICAL/ WATER	Water	Taste	Spectrophotometer	Spectrophotometer
591.	CHEMICAL/ WATER	Water	Total dissolved solids, mg/l, Max	Gravimetric	1 mg/l to 5000 mg/l
592.	CHEMICAL/ WATER	Water	Total hardness (as CaCO3) mg/l, Max	Titration	1 mg/l to 2000 mg/l
593.	CHEMICAL/ WATER	Water	Turbidity, (units), Max	Spectrophotometer	0.5 NTU to 100 NTU
594.	CHEMICAL/ WATER	Water	Zinc (as Zn), mg/l, Max	Analytical Equipments as per requirement	0.01 mg/l to 50.0 mg/l/0.005 mg/l
595.	CHEMICAL/ WATER	Water	Cyanide	Colorimetric	0.005 mg/l to 50 mg/l/0.005 mg/l
596.	CHEMICAL/ WATER	Water	Silver	By AAS & ICPMS	0.005 mg/l to 5 mg/l/0.0025 mg/l
597.	CHEMICAL/ WATER	Water	Molybdenum	By AAS & ICPMS	0.005 mg/l to 5.0 mg/l/0.0025 mg/l
598.	CHEMICAL/ WATER	Water	Ammonia (NH3-N)	By AAS & ICPMS	0.2 mg/l to 20 mg/l
599.	CHEMICAL/ WATER	Water	Barium	By AAS & ICPMS	0.01 mg/l to 10 mg/l/0.005 mg/l
600.	CHEMICAL/ WATER	Water	Boron (B)	Analytical Equipments as per requirement	0.005 mg/l to 5.0 mg/l/0.0025 mg/l
601.	CHEMICAL/ WATER	Water	Chloramines Cl2	Analytical Equipments as per requirement	0.5mg/l to 20 mg/l
602.	CHEMICAL/ WATER	Water	Nickel (Ni)	Analytical Equipments as per requirement	0.005 mg/l to 10 mg/l/0.0025 mg/l
603.	CHEMICAL/ WATER	Water	Sulphide (H2S)	Spectrophotometer	0.03 mg/l to 20 mg/l

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604.	CHEMICAL/ WATER	Water	Alfa BHC	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
605.	CHEMICAL/ WATER	Water	Atrazine	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125 µg/l
606.	CHEMICAL/ WATER	Water	Beta BHC	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
607.	CHEMICAL/ WATER	Water	Gamma BHC	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
608.	CHEMICAL/ WATER	Water	Paraoxon Methyl	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
609.	CHEMICAL/ WATER	Water	Delta BHC	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
610.	CHEMICAL/ WATER	Water	Parathion Methyl	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
611.	CHEMICAL/ WATER	Water	Alachlor	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
612.	CHEMICAL/ WATER	Water	Aldrin	GC-MSMS	0.0075µg/l- 0.045 ug/l/0.00375µg/l
613.	CHEMICAL/ WATER	Water	Malathion	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
614.	CHEMICAL/ WATER	Water	Phorate sulfoxide	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
615.	CHEMICAL/ WATER	Water	Phorate Sulfone	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
616.	CHEMICAL/ WATER	Water	Chlorpyrifos	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
617.	CHEMICAL/ WATER	Water	o,p' DDE	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
618.	CHEMICAL/ WATER	Water	Alfa Endosulfan	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
619.	CHEMICAL/ WATER	Water	Butachlor	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
620.	CHEMICAL/ WATER	Water	Dieldrin	GC-MSMS	0.0075µg/l- 0.045 ug/l/0.00375µg/l

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621.	CHEMICAL/ WATER	Water	p,p' DDE	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
622.	CHEMICAL/ WATER	Water	o,p' DDD	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
623.	CHEMICAL/ WATER	Water	Beta Endosulfan	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
624.	CHEMICAL/ WATER	Water	p,p' DDD	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
625.	CHEMICAL/ WATER	Water	o,p' DDT	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
626.	CHEMICAL/ WATER	Water	Ethions	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
627.	CHEMICAL/ WATER	Water	Endosulfan Sulfate	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
628.	CHEMICAL/ WATER	Water	p,p' DDT	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
629.	CHEMICAL/ WATER	Water	Polyaromatic Hydrocarbons (PAH)	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
630.	CHEMICAL/ WATER	Water	Benzo (b) Fluorethene	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
631.	CHEMICAL/ WATER	Water	Benzo (K) Fluorethene	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
632.	CHEMICAL/ WATER	Water	Indeno (1,2,3- cd)Pyrene	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
633.	CHEMICAL/ WATER	Water	Benzo (ghi) Perylene	GC-MSMS	0.025µg/l- 0.15 ug/l/0.0125µg/l
634.	CHEMICAL/ WATER	Water	2,4-D	HPLC	0.1µg/l- 5 ug/l
635.	CHEMICAL/ WATER	Water	Isoproturon	HPLC	0.1µg/l- 5 ug/l
636.	CHEMICAL/ WATER	Water	Monochrotophos	GCMS-MS	0.1µg/l- 5 ug/l
637.	CHEMICAL/ WATER	Water	PAH	GCMS	0.1µg/l- 1ug/l/0.05µg/l

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638.	CHEMICAL/ WATER	Water	Naphthalene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
639.	CHEMICAL/ WATER	Water	Acenaphthylene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
640.	CHEMICAL/ WATER	Water	Acenaphthene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
641.	CHEMICAL/ WATER	Water	Fluorene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
642.	CHEMICAL/ WATER	Water	Phenanthrene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
643.	CHEMICAL/ WATER	Water	Anthracene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
644.	CHEMICAL/ WATER	Water	Fluoranthene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
645.	CHEMICAL/ WATER	Water	Pyrene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
646.	CHEMICAL/ WATER	Water	Benzo(a)anthracene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
647.	CHEMICAL/ WATER	Water	Chrysene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
648.	CHEMICAL/ WATER	Water	Benzo(a)pyrene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
649.	CHEMICAL/ WATER	Water	Dibenzo(a,h) anthracene	GCMS	0.1µg/l- 1µg/l/0.05µg/l
650.	CHEMICAL/ WATER	Water	PCBs	GCMS	0.1µg/l- 1µg/l/0.05µg/l
651.	CHEMICAL/ WATER	Water	2-Chlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
652.	CHEMICAL/ WATER	Water	2,3-Dichlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
653.	CHEMICAL/ WATER	Water	2,4,5-Trichlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
654.	CHEMICAL/ WATER	Water	2,2',4,4'- Tetrachlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l

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655.	CHEMICAL/ WATER	Water	2,2',3',4,6-Pentachlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
656.	CHEMICAL/ WATER	Water	2,2',4,4',5,6'-Hexachlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
657.	CHEMICAL/ WATER	Water	2,2',3,3',4,5',6-Heptachlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
658.	CHEMICAL/ WATER	Water	2,2',3,3',4',5',6,6'-Octachlorobiphenyl	GCMS	0.1µg/l- 1µg/l/0.05µg/l
659.	CHEMICAL/ WATER	Water	Aluminium (as Al), mg/l, Max	GCMS	0.02mg/l to 1.0 mg/l /0.01mg/l
660.	CHEMICAL/ WATER	Water	Ammonium (NH ₄)	GCMS	0.2mg/l to 10 mg/l /0.1 mg/l
661.	CHEMICAL/ WATER	Water	Antimony (Sb)	GCMS	0.001mg/l to 0.05 mg/l /0.0005 mg/l
662.	CHEMICAL/ WATER	Water	Arsenic (as As), mg/l, Max	GCMS	0.001mg/l to 0.10 mg/l /0.0005 mg/l
663.	CHEMICAL/ WATER	Water	Boron (B)	GCMS	0.1 mg/l to 3.0 mg/l /0.05mg/l
664.	CHEMICAL/ WATER	Water	Cadmium (Cd)	Analytical Equipments as per requirement	0.0005mg/l to 0.05 mg/l /0.00025 mg/l
665.	CHEMICAL/ WATER	Water	Chloride (as Cl), mg/l, Max	Titrimetric	25 mg/l to 1000 mg/l /12.5 mg/l
666.	CHEMICAL/ WATER	Water	Chromium (as Cr), mg/l, Max	Titrimetric	0.005mg/l to 0.10 mg/l /0.0025 mg/l
667.	CHEMICAL/ WATER	Water	Colour (Hazen units), Max	Spectrophotometric	1 to 500 CU
668.	CHEMICAL/ WATER	Water	Conductivity	Conductivity meter	250 µS/cm 10000 µS/cm /125 µS/cm
669.	CHEMICAL/ WATER	Water	Copper (as Cu), mg/l, Max	Conductivity meter	0.2 mg/l to 5.0 mg/l /0.1 mg/l
670.	CHEMICAL/ WATER	Water	Fluoride (as F), mg/l, Max	Spectrophotometric	0.15 mg/l to 10 mg/l /0.075 mg/l
671.	CHEMICAL/ WATER	Water	Hydrogen ion concentration [H ⁺]	pH meter	1-14

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672.	CHEMICAL/ WATER	Water	Iron (Fe)	pH meter	0.02 mg/l to 3.0 mg/l /0.01 mg/l
673.	CHEMICAL/ WATER	Water	Lead (as Pb), mg/l, Max	pH meter	0.001mg/l to 0.10 mg/l /0.0005 mg/l
674.	CHEMICAL/ WATER	Water	Manganese (as Mn), mg/l, Max	Analytical Equipments as per requirement	0.005mg/l to 4.0 mg/l /0.0025 mg/l
675.	CHEMICAL/ WATER	Water	Mercury (as Hg), mg/l, Max	Analytical Equipments as per requirement	0.0001mg/l to 0.010 mg/l /0.00005 mg/l
676.	CHEMICAL/ WATER	Water	Nickel (Ni)	Analytical Equipments as per requirement	0.002mg/l to 0.2 mg/l /0.001 mg/l
677.	CHEMICAL/ WATER	Water	Nitrate (as NO ₃), mg/l,Max	Analytical Equipments as per requirement	0.3 mg/l to 100 mg/l /0.15 mg/l
678.	CHEMICAL/ WATER	Water	Nitrite (NO ₂)	Analytical Equipments as per requirement	0.005 mg/l
679.	CHEMICAL/ WATER	Water	Selenium	Analytical Equipments as per requirement	0.001mg/l to 0.10 mg/l /0.0005 mg/l
680.	CHEMICAL/ WATER	Water	Sodium (Na)	Analytical Equipments as per requirement	1.0 mg/l to 1000 mg/l/0.5mg/l
681.	CHEMICAL/ WATER	Water	Sulfate (SO ₄)	Analytical Equipments as per requirement	2.0 mg/l to 1000 mg/l /1 mg/l
682.	CHEMICAL/ WATER	Water	Odour	Analytical Equipments as per requirement	2.0 mg/l to 1000 mg/l /1 mg/l
683.	CHEMICAL/ WATER	Water	Taste	Analytical Equipments as per requirement	2.0 mg/l to 1000 mg/l /1 mg/l
684.	CHEMICAL/ WATER	Water	Turbidity, (units), Max	Analytical Equipments as per requirement	0.5 NTU to 100 NTU
685.	CHEMICAL/ WATER	Water	Cyanide	Colorimetric Method	0.005 mg/l to 50 mg//0.0025l mg/l
686.	CHEMICAL/ WATER	Water	Bromate	By Ion Chromatography	0.0025 mg/l to 5.0 mg/l
687.	CHEMICAL/ WATER	Water	Alfa BHC	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
688.	CHEMICAL/ WATER	Water	Atrazine	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 µg/l /0.0125 µg/l

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689.	CHEMICAL/ WATER	Water	Beta BHC	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
690.	CHEMICAL/ WATER	Water	Gamma BHC	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
691.	CHEMICAL/ WATER	Water	Paraoxon Methyl	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
692.	CHEMICAL/ WATER	Water	Delta BHC	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
693.	CHEMICAL/ WATER	Water	Parathion Methyl	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
694.	CHEMICAL/ WATER	Water	Heptachlor	2.0 mg/l to 1000 mg/l /1 mg/l	0.0075µg/l- 0.045 ug/l /0.00375 µg/l
695.	CHEMICAL/ WATER	Water	Alachlor	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
696.	CHEMICAL/ WATER	Water	Aldrin	2.0 mg/l to 1000 mg/l /1 mg/l	0.0075µg/l- 0.045 ug/l /0.00375 µg/l
697.	CHEMICAL/ WATER	Water	Malathion	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
698.	CHEMICAL/ WATER	Water	Phorate sulfoxide	2.0 mg/l to 1000 mg/l /1 mg/l	0.025µg/l- 0.15 ug/l /0.0125 µg/l
699.	CHEMICAL/ WATER	Water	Phorate Sulfone	GC-MSMS	0.025µg/l- 0.15 ug/l /0.0125 µg/l
700.	CHEMICAL/ WATER	Water	Chlorpyrifos	GC-MSMS	0.025µg/l- 0.15 ug/l /0.0125 µg/l
701.	CHEMICAL/ WATER	Water	Heptachlor epoxide	GC-MSMS	0.0075µg/l- 0.045 ug/l /0.00375 µg/l
702.	CHEMICAL/ WATER	Water	Chlorfenvinfos	GC-MSMS	0.025µg/l- 0.15 ug/l /0.0125 µg/l
703.	CHEMICAL/ WATER	Water	o,p' DDE	GC-MSMS	0.025µg/l- 0.15 ug/l /0.0125 µg/l
704.	CHEMICAL/ WATER	Water	Alfa Endosulfan	GC-MSMS	0.025µg/l- 0.15 ug/l /0.0125 µg/l
705.	CHEMICAL/ WATER	Water	Butachlor	GC-MSMS	0.025µg/l- 0.15 ug/l /0.0125 µg/l

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706.	CHEMICAL/ WATER	Water	Dieldrin	GC-MSMS	0.0075µg/l- 0.045 µg/l 0.00375 µg/l
707.	CHEMICAL/ WATER	Water	p,p' DDE	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
708.	CHEMICAL/ WATER	Water	o,p' DDD	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
709.	CHEMICAL/ WATER	Water	Beta Endosulfan	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
710.	CHEMICAL/ WATER	Water	p,p' DDD	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
711.	CHEMICAL/ WATER	Water	o,p' DDT	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
712.	CHEMICAL/ WATER	Water	Ethions	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
713.	CHEMICAL/ WATER	Water	Endosulfan Sulfate	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
714.	CHEMICAL/ WATER	Water	p,p' DDT	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
715.	CHEMICAL/ WATER	Water	PAH	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
716.	CHEMICAL/ WATER	Water	Benzo (b) Fluorethene	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
717.	CHEMICAL/ WATER	Water	Benzo (K) Fluorethene	GC-MSMS	0.025µg/l- 0.15 µg/l
718.	CHEMICAL/ WATER	Water	Indeno (1,2,3- cd)Pyrene	GC-MSMS	0.025µg/l- 0.15 µg/l /0.0125 µg/l
719.	CHEMICAL/ WATER	Water	Benzo (ghi) Perylene	GC-MSMS	0.025µg/l- 0.15 µg/l
720.	CHEMICAL/ WATER	Water	Benzene	GC- MSMS_Head Space	0.25µg/l- 2 µg/l /0.15 µg
721.	CHEMICAL/ WATER	Water	1,2 Dichloroethane	GC- MSMS_Head Space	0.3µg/l- 4.5 µg/l /0.4 µg/l
722.	CHEMICAL/ WATER	Water	Tetrachloroethan e	GC- MSMS_Head Space	1 µg/l- 15 µg/l /1.3 µg/l

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723.	CHEMICAL/ WATER	Water	Trichloroethane	GC- MSMS_Head Space	1 µg/l- 15 ug/l /1.3 µg/l
724.	CHEMICAL/ WATER	Water	Trihalomethanes	GC- MSMS_Head Space	1 µg/l- 15 ug/l /1.3 µg/l
725.	CHEMICAL/ WATER	Water	i. Chloroform	GC- MSMS_Head Space	10 µg/l- 150 ug/l /5 µg/l
726.	CHEMICAL/ WATER	Water	ii. Bromoform	GC- MSMS_Head Space	10 µg/l- 150 ug/l /5 µg/l
727.	CHEMICAL/ WATER	Water	iii. Dibromochloro methane	GC- MSMS_Head Space	10 µg/l- 150 ug/l /5 µg/l
728.	CHEMICAL/ WATER	Water	iv. Bromodichloro methane	GC- MSMS_Head Space	10 µg/l- 150 ug/l /5 µg/l
729.	CHEMICAL/ WATER	Water	Arsenic (as As)	ICPMS	0.001mg/l to 0.10 mg/l /0.0005 mg/l
730.	CHEMICAL/ WATER	Water	Cadmium (Cd)	ICPMS	0.0005mg/l to 0.05 mg/l /0.00025 mg/l
731.	CHEMICAL/ WATER	Water	Chloride (as Cl)	Titration	1mg/l to 1000 mg/l /0.5 mg/l
732.	CHEMICAL/ WATER	Water	Chromium Hexavalent (as Cr ⁺⁶)	By Spectrophot ometer	0.03 mg/l - 20 mg/l /0.02 mg/l
733.	CHEMICAL/ WATER	Water	Colour	By Spectrophot ometer	1 to 500 CU
734.	CHEMICAL/ WATER	Water	Copper (as Cu)	By AAS, ICPMS	0.005 mg/l to 5.0 mg/l /0.0025 mg/l
735.	CHEMICAL/ WATER	Water	Fluoride (as F),	By Spectrophot ometer	0.5 mg/l to 5.0 mg/l
736.	CHEMICAL/ WATER	Water	Iron (Fe)	By AAS, ICPMS	0.02 mg/l to 3.0 mg/l /0.01 mg/l
737.	CHEMICAL/ WATER	Water	Lead (as Pb),	By AAS, ICPMS	0.005 mg/l to 0.10 mg/l /0.0025 mg/l
738.	CHEMICAL/ WATER	Water	Magnesium (as Mg),	By AAS, ICPMS	1 mg/l to 500 mg/l /0.5 mg/l
739.	CHEMICAL/ WATER	Water	Manganese (as Mn),	By AAS, ICPMS	0.005 mg/l to 4.0 mg/l /0.0025 mg/l

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740.	CHEMICAL/ WATER	Water	Mercury (as Hg),	By AAS, ICPMS	0.0005 mg/l to 0.1 mg/l /0.00025 mg/l
741.	CHEMICAL/ WATER	Water	Nitrate (as NO ₃),	By Spectrophotometer	0.3 mg/l to 100 mg/l
742.	CHEMICAL/ WATER	Water	Odour	By Spectrophotometer	0.3 mg/l to 100 mg/l
743.	CHEMICAL/ WATER	Water	pH	pH meter	1-14
744.	CHEMICAL/ WATER	Water	Phenolic compounds (as C ₆ H ₅ OH)	By Spectrophotometer	0.0006 mg/l to 5 mg/l /0.0003 mg/l
745.	CHEMICAL/ WATER	Water	Selenium	By AAS, ICPMS	0.005 mg/l to 4.0 mg/l /0.0025 mg/l
746.	CHEMICAL/ WATER	Water	Sulfate (SO ₄)	By Spectrophotometer	2 mg/l to 1000 mg/l /0.2 mg/l
747.	CHEMICAL/ WATER	Water	Total hardness (as CaCO ₃)	Titration	1 mg/l to 2000 mg/l
748.	CHEMICAL/ WATER	Water	Total solids	Gravimetric	1 mg/l to 5000 mg/l
749.	CHEMICAL/ WATER	Water	Turbidity	By Spectrophotometer	1 NTU to 100 NTU
750.	CHEMICAL/ WATER	Water	Zinc (as Zn,	By AAS, ICPMS	0.01 mg/l to 50 mg/l /0.005 mg/l
751.	CHEMICAL/ WATER	Water	Cyanide	Colorimetric Method	0.005 mg/l to 50 mg/l /0.005 mg/l
752.	CHEMICAL/ WATER	Water	Chromium Hexavalent (as Cr ⁺⁶)	By Spectrophotometer	0.03 mg/l - 20 mg/l /0.02 mg/l