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-	!		performed		

BIOLOGICAL TESTING

I.	FOOD AND AGRICULTURAL PRODUCTS			T
1	Milk & Dairy Products	T	 	
	Cow, Standardized	Total Plate Count	IS 5402	≥10 cfu/g ≥1cfu/ml
 	Tonned, Double toned and Full		US FDA BAM	≥10 cfu/g ≥1cfu/ml
	cream and Skimmed (boiled,	Coliform count	IS5401(Part 1) ISO4832	≥10cfu/g ≥1cfu/ml
	pasteurized, flavored,		IS5401(Part 2) ISO4831	Qualitative (Present/Absent/g/ml)
<u> </u>	sterilized, UHT Milk	 	USFDABAM	0.3 to 110MPN/g
 			USFDABAM 	≥10cfu/g ≥1cfu/ml
	<u> </u> 	E.coli	IS5887(Part1)	3 to1100MPN/g ≥10cfu/g
<u> </u>		<u> </u>	<u> </u>	≥1cfu/ml (Qualitative)
 	 	 	 	(Present/Absent/g/ml) 0.3 to 110MPN/g
 	 	 	USFDABAM	≥10cfu/g ≥1cfu/ml
		Salmonellaspp.	IS5887(Part3)	3 to 1100MPN/g Qualitative
<u> </u>	 	 	ISO6579-1 USFDABAM	(Present/Absent/25g/25ml) Qualitative
<u> </u> 	i 	i !	<u> </u>	(Present/Absent/25g/25ml)
	 	Staphylococcusaureus	IS5887(Part 8/Sec-1) ISO:6888 (Part 1)	≥10cfu/g ≥1cfu/ml

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F		Ţ	USFDABAM	≥10cfu/g
ļ	ļ	ļ		≥1cfu/ml
F	T	Listeriamonocytogenes	IS14988-(Part 1)	Qualitative
Ĺ	<u>i</u>	<u>i </u>	ISO11290(Part 1)	(Present/Absent25g/25ml)
			USFDABAM-2017(Chapter-	Qualitative
<u>L</u>	<u>i</u>	<u>i </u>	10)	(Present/Absent25g/25ml)
			IS5887(Part 6)	≥10cfu/g
<u>L</u>	<u>i</u>	Bacilluscereus	ISO7932	≥1cfu/ml
	T		USFDABAM	≥10cfu/g
Ĺ	<u> </u>	<u>i </u>	<u> </u>	≥1cfu/ml
		Clostridiumperfringens	IS5887(Part 4)	≥10cfu/g
Ĺ	<u> </u>	<u>i</u>	ISO7937	≥1cfu/ml
				≥10cfu/g
Ĺ	<u>i</u>	<u>i </u>	<u> </u>	≥1cfu/ml
	l I		USFDABAM	≥10cfu/g
<u>L</u>	<u>i</u>	<u>i</u>	<u> </u>	≥1cfu/ml
	1	YeastandMould	IS5403	≥10cfu/g
<u>i</u> _	<u>i</u>	<u>i</u>		≥1cfu/ml
		}	USFDABAM	≥10cfu/g
<u>L</u>	<u>i</u>	<u> </u>		≥1cfu/ml
		Shigella	IS5887 (Part 7)	Qualitative
<u>L</u>	<u>i</u>	<u>i</u>	ISO21567	(Present/Absent/25g/25ml)
1		}	USFDABAM	Qualitative
<u>L</u>	<u>i</u>	<u> </u>		(Present/Absent/25g/25ml)
		Vibriocholera	IS5887 (Part 5)	Qualitative
<u>i</u>	<u>i</u>	<u>i</u>	ISO21872-1	Present/Absent/25g/25ml
			USFDABAM	Qualitative
<u>L</u>	<u>i</u>	<u>i </u>	<u> </u>	(Present/Absent/25g/25ml)
 	[[Vibrioparahaemolyticus	IS5887 (Part 5)	Qualitative(Present/Absent
<u>i</u>	<u> </u>	<u> </u>	ISO21872-1	/25g/25ml)
1	[USFDABAM	Qualitative
 	; - -	 		(Present/Absent/25g/25ml)

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2.	Fruits & Vegetable Products	 		
 	RawFruitsandVeg etables(Greenbea	TotalPlateCount	IS5402	≥10cfu/g ≥1cfu/ml
 	ns,Tomato,Sweetc orn/Babycorn,Mus	 	USFDABAM	≥10cfu/g ≥1cfu/ml
	hrooms,Carrot,La diesfinger,Cauliflo	Clostridiumperfringens	IS5887(Part 4) ISO:7937	≥10cfu/g ≥1cfu/ml
	wer,Brinjal,Sweetp otato,Gherkins,Ta		USFDABAM	≥10cfu/g ≥1cfu/ml
	bleonions,Garlic)	Yeastandmould	IS5403	≥10cfu/g ≥1cfu/ml
] -	 	USFDABAM	≥10cfu/g ≥1cfu/ml
] -	Staphylococcusaureus	IS5887 (Part 8/SEC 1) ISO6888 (Part 1)	≥10cfu/g ≥1cfu/ml
] 		USFDABAM	≥10cfu/g ≥1cfu/ml
 		Salmonella	IS5887 (Part 3) ISO6579-1	Qualitative (Present/Absent/25g/25ml)
 			USFDABAM	Qualitative (Present/Absent/25g/25ml)
 		Shigella	IS5887 (Part 7) ISO21567	Qualitative (Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative (Present/Absent/25g/25ml)
 	 	E.coli	IS5887 (Part 1)	≥10cfu/g ≥1cfu/ml
 	 	 	 	Qualitative (Present/Absent/g/ml)
	 	 	USFDABAM	0.3 to 110 MPN/g ≥10cfu/g ≥1cfu/ml

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F==:	- ========	- ====================================	 	3 to 1100 MPN/g
 		Vibriocholera	IS5887 (Part 5) ISO21872-1	Qualitative(Present/Absent /25g/25ml)
 			USFDABAM	Qualitative (Present/Absent/25g/25ml)
 		Listeriamonocytogenes	IS14988 (Part 1) ISO:11290 (Part 1)	Qualitative (Present/Absent/25g/25ml)
 	 	 	USFDABAM	Qualitative (Present/Absent/25g/25ml)
	 	Vibrioparahaemolyticus	IS5887 (Part 5) ISO21872-1	Qualitative (Present/Absent/25g/25ml)
 	 	 	USFDABAM	Qualitative(Present/Absent /25g/25ml)
 	 	Coliform	IS5401 (Part 1) ISO4832	≥10cfu/g ≥1cfu/ml
		 	IS5401 (Part 2) ISO4831	Qualitative (Present/Absent/g/ml)
 	 	 	USFDABAM	0.3 to 110MPN/g ≥10cfu/g
 	 	 	 	≥1cfu/ml 3 to 1100MPN/g
 		Bacilluscereus	IS5887 (Part 6) ISO:7932	≥10cfu/g ≥1cfu/ml
 	 		USFDABAM	≥10cfu/g ≥1cfu/ml
3.	Jams, Juices, Sauces & Concentrates			
	Fruit and VegetablesSauces	TotalPlateCount	IS5402	≥10cfu/g ı ≥1cfu/ml
 	andJam		USFDABAM	≥10cfu/g ı ≥1cfu/ml

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		Yeastandmouldcount	IS5403	≥10cfu/g ≥1cfu/ml
 	 	T	USFDABAM	≥10cfu/g ≥1cfu/ml
 	 	Staphylococcusaureus	IS5887 (Part 8/SEC-1) ISO:6888 (Part 1) USFDABAM	≥10cfu/g ≥1cfu/ml ≥10cfu/q
i 	<u> </u>	Salmonella	USFBABANI 	i ≥1cfu/ml Qualitative
 	 	Jaintonella 	ISO6579-1 USFDABAM	Qualitative (Present/Absent25g/25ml) Qualitative
 	<u> </u>	 	IS5887 (Part 7)	(Present/Absent25g/25ml) Qualitative
 	<u> </u>	Siligelia 	ISO21567 USFDABAM	(Present/Absent25g/25ml) Qualitative
ļ	 	E.coli	IS5887 (Part 1)	(Present/Absent25g/25ml) ≥10cfu/g
 	 	—		≥1cfu/ml Qualitative (Present/Absent/g/ml) 0.3 to 110 MPN/g
 	 	† ! !	USFDABAM-	≥10cfu/g ≥1cfu/ml 3 to 1100MPN/g
 	+ 	Vibriocholera	IS5887 (Part 5) ISO21872-1 USFDABAM-2004(Chapter-	Qualitative(Present/Absent 25g/25ml) Qualitative
 	 	Listeriamonocytogenes	9) IS14988 (Part 1) ISO11290 (Part 1) USFDA BAM	(Present/Absent25g/25ml) Qualitative (Present/Absent25g/25ml) Qualitative (Present/Absent25g/25ml)
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	T	Clostridiumperfringens	IS5887 (Part 4)	≥10cfu/g
<u> </u>	 -	 	ISO 7937	≥1cfu/ml
İ			USFDABAM	≥10cfu/g
<u> </u>	 	 	 	≥1cfu/ml
į		Coliform	IS5401 (Part 1)	≥10cfu/g ≥1cfu/ml
<u> </u>	 	 	ISO4832	Qualitative
į		İ	IS5401 (Part 2)	
<u> </u>	 	<u> </u>	ISO4831	(Present/Absent/g/ml)
<u> </u>	 	 	<u> </u>	0.3 MPN/g to 110MPN/g
<u> </u>	<u> </u>	<u> </u>	USFDABAM	≥10cfu/g ≥1cfu/ml
<u> </u>	 	<u> </u>	<u> </u>	3 MPN/g to 1100MPN/g
1		Bacillus cereus	IS 5887(Part 6)	≥10 cfu/g
<u> </u>	<u> </u>	<u> </u>	ISO:7932	≥1cfu/ml
i			USFDA BAM	≥10cfu/g
	 	 	 	≥1cfu/ml
4.	Cereals & Cereal Products	 	 	
	WholeandSplitsof	TotalPlateCount	IS 5402	≥10cfu/g
į	Urad,Toor,GreenG	<u> </u>	<u> </u>	≥1cfu/ml
	ram,RedGram,Mill	 	USFDABAM	≥10cfu/g
į	ets,Rice,Rawa,Bes	<u> </u>	<u> </u>	≥1cfu/ml
	anPowder,Basmati	Shigella	IS5887(Part 7)	Qualitative(Present/Absent
İ	Rice,Wheat,Atta,M	<u> </u>	ISO21567	/25g/25ml)
	aida,Papadum	 	USFDABAM	Qualitative(Present/Absent
<u></u>	 	<u> </u>	<u> </u>	25g/25ml)
		E.coli	IS5887(Part 1)	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
		 	 	Qualitative
<u> </u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/g/ml)
L	 	! !	<u> </u>	0.3 MPN/g to 110MPN/g
	 	 	USFDABAM	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
L	! L	! 	<u> </u>	3MPN/g to 1100MPN/g

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	T	Coliform	IS5401(Part 1)	≥10cfu/g
<u>L</u>	<u> </u>	<u>i</u>	ISO4832	≥1cfu/ml
			IS5401(Part2)	Present/Absent/g/ml
<u>L</u>	<u>i</u>	<u>i</u>	ISO48312006	(Qualitative)
				0.3 MPN/g to 110MPN/g
			USFDABAM	≥10cfu/g
				≥1cfu/ml
	 		 	3MPN/g to 1100MPN/g
	T	Salmonella	IS5887(Part 3)	Qualitative
			ISO6579-1	(Present/Absent25g/25ml)
	<u> </u>		USFDABAM	Qualitative
				(Present/Absent25g/25ml)
		Staphylococcusaureus	IS5887(Part 8/SEC1)	≥10cfu/g
ļ			ISO6888(Part 1)	≥1cfu/ml
			USFDABAM	≥10cfu/g
<u>L</u>	<u> </u>	<u>i</u>	<u> </u>	≥1cfu/ml
		Vibriocholera	IS5887(Part 5)	Qualitative
<u></u>	<u> </u>	<u> </u>	ISO21872-1	(Present/Absent25g/25ml)
l İ			USFDABAM	Qualitative
<u></u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent25g/25ml)
l I		Listeriamonocytogenes	IS14988(Part 1)	Qualitative
<u> </u>	<u>i</u>	<u> </u>	ISO11290(Part1)	(Present/Absent25g/25ml)
 			USFDABAM	Qualitative
<u>i</u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent25g/25ml)
 		Clostridiumperfringens	IS5887(Part 4)	≥10cfu/g
<u></u>	<u> </u>	<u> </u>	ISO7937	≥1cfu/ml
 			USFDABAM	≥10cfu/g
<u></u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
		Bacilluscereus	IS5887(Part 6)	≥10cfu/g
L	<u> </u>	<u> </u>	ISO 7932	≥1cfu/ml
			USFDABAM	≥10cfu/g
				≥1cfu/ml

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	T	Yeast & mould	IS5403	≥10cfu/g ≥1cfu/ml
	 	† 	USFDABAM	≥10cfu/g ≥1cfu/ml
5.	Snacks And Instant Mixes	† 	 	
	Ready to Eat Food, Cooked	TotalPlateCount	IS5402	≥10cfu/g ≥1cfu/ml
	Food, Ready to cook Food,		USFDABAM	≥10cfu/g ≥1cfu/ml
	Savories, Cookies	Coliformcount	IS5401(Part 1) ISO:4832:2006	≥10cfu/g ≥1cfu/ml
	 	† 	IS5401(Part 2) ISO4831	Qualitative (Present/Absent/g/ml)
	† 	+		0.3 MPN/g to 110MPN/g
	 	† ! !	USFDABAM	≥10cfu/g ≥1cfu/ml
	 	 		3 to 1100 MPN/g
	 	Yeast&mould	IS5403	≥10cfu/g ≥1cfu/ml
	 	† 	USFDABAM	≥10cfu/g ≥1cfu/ml
	 	Salmonella	IS5887 (Part3) ISO6579-1	Qualitative (Present/Absent25g/25ml)
	 	 	USFDABAM	Qualitative (Present/Absent25g/25ml)
	 	Shigella	IS5887(Part 7) ISO21567	Qualitative (Present/Absent25g/25ml)
	 	† ! !	USFDABAM-2013 (Chapter-6)	Qualitative (Present/Absent25g/25ml)

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	T	E.coli	IS5887(Part 1)	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
l I			 	Qualitative
<u> </u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/g/ml)
 	 	<u> </u>	 	0.3MPN/g to 110MPN/g
			US FDA BAM	≥10 cfu/g
<u> </u>	<u> </u>	<u> </u>		≥1cfu/ml
L	<u> </u>	<u> </u>	! !	3 MPN/g to 1100 MPN/g
		Staphylococcusaureus	IS5887(Part 8/SEC-1)	≥10cfu/g
<u>i</u>	<u>i</u>	<u> </u>	ISO6888 (Part 1)	≥1cfu/ml
			USFDABAM	≥10cfu/g
<u>L</u>	<u>i</u>	<u> </u>		≥1cfu/ml
		Vibriocholera	IS5887(Part 5)	(Qualitative)
<u> </u>	<u>i</u>	<u> </u>	ISO21872-1	Present/Absent/25g/25ml
			USFDABAM	(Qualitative)
<u> </u>	<u> </u>	<u> </u>	<u> </u>	Present/Absent/25g/25ml
		Listeriamonocytogenes	IS14988-(Part 1)	(Qualitative)
<u> </u>	 	<u> </u>	ISO11290(Part 1)	Present/Absent/25g/25ml
			USFDABAM-2017	(Qualitative)
<u> </u>	<u> </u>	<u> </u>	<u> </u>	Present/Absent/25g/25ml
		Vibrioparahaemolyticus	IS5887 (Part5)	(Qualitative)
<u> </u>	 	<u> </u>	ISO21872-1	Present/Absent/25g/25ml
			USFDABAM	(Qualitative)
L	 	 	 	Present/Absent/25g/25ml
		Clostridiumperfringens	IS5887 (Part 4)	≥10cfu/g
L	 	<u> </u>	ISO7937	≥1cfu/ml
			USFDABAM	≥10cfu/g
<u> </u>	 	 		≥1cfu/ml
		Bacilluscereus	IS5887 (Part 6)	≥10cfu/g
<u> </u>	 		ISO:7932:2004	≥1cfu/ml
			USFDABAM	≥10cfu/g
				≥1cfu/ml
1	1	1		

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6.	Sugar & Sugar Products	T		
	PlantationWhiteSu garandRefinedSu gar,SugarBoiledC	TotalPlateCount	IS5402-2012- RA2018	≥10cfu/g ≥1cfu/ml
	onfectioneryandC hocolate	 	USFDABAM	≥10cfu/g ≥1cfu/ml
	 	Coliformcount	IS5401(Part 1) ISO4832	≥10cfu/g ≥1cfu/ml
	 		IS5401(Part 2) ISO4831	Qualitative (Present/Absent/g/ml)
	 		USFDABAM-	0.3 MPN/g to 110MPN/g ≥10cfu/g ≥1cfu/ml
 		<u> </u>		3MPN/g/ to 1100MPN/g
	 	Yeast&mould	IS5403	≥10cfu/g ≥1cfu/ml
		 	USFDABAM	≥10cfu/g ≥1cfu/ml
	 	Salmonella	IS5887(Part3) ISO:6579-1	Qualitative (Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative (Present/Absent/25g/25ml)
		Shigella	IS5887(Part 7) ISO21567	Qualitative (Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative (Present/Absent/25g/25ml)
 	 	E.coli	IS5887(Part1)	≥10cfu/g ≥1cfu/ml
 	 	 		Qualitative (Present/Absent/g/ml)
		1	1	0.3 MPN/g to 110MPN/g

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	 	T	USFDABAM	≥10cfu/g ≥1cfu/ml
				3 MPN/g to 1100MPN/g
		Staphylococcusaureus	IS5887(Part 8/SEC1)	≥10cfu/g
Ĺ	<u> </u>	<u>i</u>	ISO6888(Part 1)	≥1cfu/ml
			USFDABAM-2016(Chapter-	≥10cfu/g
<u>L</u>	<u>i</u>	<u>i </u>	12)	≥1cfu/ml
		Vibriocholera	IS5887(Part 5)	Qualitative
<u>L</u>	<u> </u>	<u>i</u>	ISO21872-1	(Present/Absent/25g/25ml)
]	 	USFDABAM	Qualitative
<u>L</u>	<u>i</u>	<u>i</u>		(Present/Absent/25g/25ml)
		Listeriamonocytogenes	IS14988(Part 1)	Qualitative
<u>L</u>	<u>i</u>	<u>i</u>	ISO11290(Part 1)	(Present/Absent/25g/25ml)
-		 	USFDABAM	Qualitative
<u>i</u>	<u> </u>	<u>i</u>		(Present/Absent/25g/25ml)
		Vibrioparahaemolyticus	IS5887(Part 5)	Qualitative
<u>i</u>	<u>i</u>	<u>i</u>	ISO21872-1	(Present/Absent/25g/25ml)
] 	 	USFDABAM	Qualitative
<u>i</u>	<u>i</u>	<u>i</u>		(Present/Absent/25g/25ml)
1	 	Clostridiumperfringens	IS5887-(Part 4)	≥10cfu/g
<u>i</u>	<u>i</u>	<u> </u>	ISO7937	≥1cfu/ml
1	 	 	USFDABAM	≥10cfu/gor
<u> </u>	<u> </u>	<u> </u>		≥1cfu/ml
1	 	Bacilluscereus	IS5887(Part6)	≥10cfu/gor
<u> </u>	<u> </u>	<u> </u>	ISO:7932	≥1cfu/ml
] 	! 	USFDABAM	≥10cfu/gor
<u> </u>	 	<u> </u>	ļ	≥1cfu/ml
7.	Herbs, Spices And Condiments			
	WholeandGround	Totalplatecount	IS5402	≥10cfu/g
<u> </u>	ormixedChilly/Tur	<u> </u>	<u> </u>	≥1cfu/m
	meric,Cloves,Cori] 	USFDABAM	≥10cfu/g
<u>i</u>	ander,Cinnamon,	<u> </u>	<u> </u>	≥1cfu/ml
1	Ginger,Nutmeg,Pe	Coliformcount	IS5401(Part 1)	≥10cfu/g

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1	pperBlack,Curryp	!	ISO:4832	¦ ≥1cfu/ml
<u> </u>	owder,Cardamom,		IS5401(Part 2)	Qualitative
	CurryMasala,Popp	1	ISO4831	(Present/Absent/g/ml)
	yseeds,Caraway,F		<u> </u>	0.3MPN/g to 110MPN/g
<u> </u>	enugreek,MixedM		USFDABAM	≥10cfu/g
	asalaCurry	1		≥1cfu/ml
	1		<u> </u>	3MPN/gl to 1100MPN/g
<u> </u>	 	E.coli	IS5887(Part 1)	≥10cfu/g
		1		≥1cfu/ml
	 	†	<u> </u>	Qualitative
ļ		ļ		(Present/Absent/g/ml)
		T	T	0.3MPN/g to 110MPN/g
		 	USFDABAM	≥10cfu/g
ļ		ļ		≥1cfu/ml
		T	T	3MPN/g to 1100MPN/g
		Salmonella	IS5887(Part 3)	Qualitative
<u>i</u>		<u>i </u>	ISO6579-1	(Present/Absent/25g/25ml)
			USFDABAM	Qualitative
<u>L</u>		<u>i </u>	<u> </u>	(Present/Absent/25g/25ml)
		Shigella	IS5887(Part 7)	Qualitative
<u>L</u>	<u> </u>	<u>i</u>	ISO21567	(Present/Absent/25g/25ml)
ļ Ī			USFDABAM	Qualitative
<u>i</u>	<u> </u>	<u>i</u>	<u>i</u>	(Present/Absent/25g/25ml)
		Staphylococcusaureus	IS5887(Part 8/SEC-1)	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	ISO6888(Part 1)	≥1cfu/ml
			USFDABAM	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
		Yeast&Mould	IS5403	≥10cfu/g
L	<u> </u>	<u> </u>	 	≥1cfu/ml
			USFDABAM	≥10cfu/g
				≥1cfu/ml
<u> </u>	<u> </u>	 	<u> </u>	L
L	<u> </u>	Clostridiumperfringens	IS5887(Part 4)	≥10cfu/g

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_==:	=======	==========	ISO7937	=====================================
	 	 	USFDABAM	≥10cfu/g
				≥1cfu/ml
	T	Listeriamonocytogenes	IS14988(Part 1)	Qualitative
			ISO11290(Part 1)	(Present/Absent/25g/25ml)
	T	<u></u>	USFDABAM	Qualitative
				(Present/Absent/25g/25ml)
8.	Nut And Nut Products	†		
	Dry Fruits and	TotalPlatecount	IS5402	≥10cfu/g
	Nuts			≥1cfu/ml
			USFDABAM	≥10cfu/g
		İ	İ	≥1cfu/ml
		YeastandMould	IS5403	≥10cfu/g
	<u> </u>	<u>i</u>	<u>i</u>	≥1cfu/ml
			USFDABAM	≥10cfu/g
	<u> </u>	<u>i</u>	<u> </u>	≥1cfu/ml
		Staphylococcusaureus	IS5887(Part 8/SEC-1)	≥10cfu/g
	<u> </u>	<u>i</u>	ISO6888(Part1)	≥1cfu/ml
			USFDABAM	≥10cfu/g
		<u>i</u>	<u>i</u>	≥1cfu/ml
		Salmonella	IS5887 (Part 3)	Qualitative
		<u>i</u>	ISO6579-1	(Present/Absent/25g/25ml)
			USFDABAM	Qualitative
	<u> </u>	<u>i</u>	<u>i</u>	(Present/Absent/25g/25ml)
		Shigella	IS5887(Part 7)	Qualitative
	<u> </u>	<u>i</u>	ISO21567	(Present/Absent/25g/25ml)
			USFDABAM	Qualitative
	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/25g/25ml)
		Clostridium	IS5887(Part 4)	≥10cfu/g
	<u> </u>	<u> </u>	ISO7937	≥1cfu/ml
			USFDABAM	≥10cfu/g
	1	1		i ≥1cfu/ml

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		E.coli	IS5887(Part 1)	≥10cfu/g ≥1cfu/ml (Enumeration)
 	 	 		Qualitative (Present/Absent/g/ml)
				0.3 MPN/g to 110MPN/g
			USFDABAM	≥10cfu/g ≥1cfu/ml
	T			3MPN/g to 1100 MPN/g/
 	 	Coliformcount	IS5401(Part 1) ISO4832	≥10cfu/g ≥1cfu/ml
 	 	† ! !	IS5401(Part 2) ISO4831	Qualitative (Present/Absent/g/ml)
	 	†		0.3 MPN/g to 110MPN/g
 	 	 	USFDABAM	≥10cfu/g ≥1cfu/ml
	 	 	 	3 MPN/g to 1100MPN/g
 	 	Vibriocholerae	IS5887 (Part 5) ISO21872-1	Qualitative (Present/Absent/25g/25ml)
 	 	† ! !	USFDABAM	Qualitative (Present/Absent/25g/25ml)
 	 	Vibrioparahaemolyticus	IS5887(Part 5) ISO21872-1	Qualitative (Present/Absent/25g/25ml)
 	 	†	USFDABAM	Qualitative (Present/Absent/25g/25ml)
		Listeriamonocytogenes	IS14988(Part 1) ISO:11290(Part 1)	Qualitative (Present/Absent/25g/25ml)
 		†	USFDABAM	Qualitative (Present/Absent/25g/25ml)

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9.	Meat And Meat Products	 	_ ====================================	_=====================================
	CannedChopped meat/CannedChic	TotalPlateCount	IS5402	≥10cfu/g ≥1cfu/ml
	ken/Cannedmutto nandgoatmeat/fro		USFDABAM	≥10cfu/g ≥1cfu/ml
	zenmutton/chicke n/Goatandbuffalo	E.coli	IS5887 (Part 1)	≥10cfu/gr ≥1cfu/ml
	- - -	 	T	Qualitative (Present/Absent/g/ml) 0.3 MPN/gto110MPN/g
	 	 	USFDABAM-2017(Chapter- 4)	≥10cfu/g ≥1cfu/ml
	 	Staphylococcusaureus	IS5887(Part 8/Sec 1) ISO6888(Part 1)	3MPN/gto1100MPN/g ≥10cfu/g ≥1cfu/ml
	 	†	USFDABAM	≥10cfu/g ≥1cfu/ml
	 	Salmonella	IS5887(Part 3) ISO:6579-1	Qualitative (Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative (Present/Absent/25g/25ml)
		Clostridiumperfringes	IS5887(Part 4) ISO:7937	≥10cfu/g ≥1cfu/ml
	 	 -	USFDABAM	≥10cfu/gor≥1cfu/ml
	 	Coliformcount	IS5401(Part 1) ISO4832	≥10cfu/g r≥1cfu/ml
		 	IS5401(Part 2) ISO4831	Qualitative (Present/Absent/g/ml)
		T	T	0.3 MPN/g to110MPN/g

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===:	 =======	 	USFDABAM	=====================================
			1	≥1cfu/ml
	 	<u>†</u>	 	3 MPN/gto1100MPN/g
	 	Listeriamonocytogenes	IS14988 (Part 1)	Qualitative
			ISO11290(Part 1)	(Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative
				(Present/Absent/25g/25ml)
	 	Vibriocholerae	IS5887(Part 5)	Qualitative
			ISO21872-1	(Present/Absent/25g/25ml)
	 	Ţ	USFDABAM	Qualitative
			 	(Present/Absent/25g/25ml)
	 	Yeast&mould	IS5403	≥10cfu/g
				≥1cfu/ml
	 		USFDABAM	≥10cfu/g
				≥1cfu/ml
	 	Bacilluscereus	IS5887(Part 6)	≥10cfu/g
			ISO:7932	≥1cfu/ml
	 		USFDABAM	 ≥10cfu/g
				≥1cfu/ml
10.	Fish And Fisheries	 		
	Raw Frozen	TotalPlateCount	IS5402	≥10cfu/g
	Shrimps, Prawns,			≥1cfu/ml
	lobsterand Squid		USFDABAM	≥10cfu/g
				≥1cfu/ml
		E.coli	IS5887(Part1)	≥10cfu/g
	<u> </u>	<u>i</u>	<u> </u>	≥1cfu/ml
	T			Qualitative
	<u> </u>	<u> </u>	<u>i</u>	(Present/Absent/g/ml)
	<u> </u>			0.3MPN/g to 110MPN/g
	T		USFDABAM	≥10cfu/g
				≥1cfu/ml
	T	Ţ	T	3MPN/g to 1100MPN/g

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F		Staphylococcusaureus	IS5887(Part 8/Sec-1)	≥10cfu/g
		' '	ISO6888(Part 1)	≥1cfu/ml
	 	Ţ	USFDABAM-2016(Chapter-	≥10cfu/g
		İ	12)	≥1cfu/ml
	 	Coliformcount	IS5401(Part 1)	≥10cfu/g
		İ	ISO:4832	≥1cfu/ml
		T	IS5401 (Part 2)	Qualitative
<u></u>	<u> </u>	<u>i </u>	ISO4831	(Present/Absent/g/ml)
		T		0.3MPN/gto110MPN/g
		T	USFDABAM	≥10cfu/g or
		İ	İ	≥1cfu/ml
		Ţ		3 MPN/gto1100MPN/g
<u> </u>	 	Salmonella	IS5887(Part 3)	Qualitative
		İ	ISO:6579-1	(Present/Absent/25g/25ml)
		Ţ	USFDABAM	Qualitative
į		İ	İ	(Present/Absent/25g/25ml)
		Shigella	IS5887(Part 7)	Qualitative
<u></u>	<u> </u>	<u>i </u>	ISO21567	(Present/Absent/25g/25ml)
i		T	USFDABAM	Qualitative
<u></u>	<u> </u>	<u>i </u>	<u>i</u>	(Present/Absent/25g/25ml)
 		Vibrocholerae	IS5887(Part 5)	Qualitative
<u></u>	<u>i</u>	<u>i </u>	ISO21872-1	(Present/Absent/25g/25ml)
 		}	USFDABAM	Qualitative
<u></u>	<u> </u>	<u>i</u>	<u>i</u>	(Present/Absent/25g/25ml)
		Vibroparahaemolyticus	IS5887(Part 5)	Qualitative
<u></u>	<u> </u>	<u>i</u>	ISO21872-1	(Present/Absent/25g/25ml)
 			USFDABAM	Qualitative
<u>i</u>	<u> </u>	<u>i</u>	<u>i</u>	(Present/Absent/25g/25ml)
 		YeastandMould	IS5403	≥10cfu/g
<u>i</u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
 			USFDABAM	≥10cfu/g
İ		<u> </u>	 	i ≥1cfu/ml

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F		Listeriamonocytogenes	IS14988(Part 1)	Qualitative
	İ		ISO11290(Part 1)	(Present/Absent/25g/25ml)
11.	Carbonated Non Alcoholic Beverages		USFDABAM	Qualitative (Present/Absent/25g/25ml)
	Supplement	TotalPlateCount	IS5402	≥10cfu/g
	health drinks	<u>L</u>	<u> </u>	≥1cfu/ml
	Fruit juices,		USFDABAM	≥10cfu/g
<u></u>	<u>j</u>	<u>L</u>		≥1cfu/ml
		Coliformcount	IS5401(Part 1)	≥10cfu/g
<u></u> _	<u> </u>	<u> </u>	ISO4832	≥1cfu/ml
 			IS5401(Part 2)	Qualitative
<u></u>	<u>i</u>	<u>i</u>	ISO4831	(Present/Absent/g/ml)
 	l I			0.3 MPN/gto110MPN/g
			USFDABAM	≤10cfu/g
į	ļ			≤1cfu/ml
	T			3 MPN/g to 1100MPN/g
	<u> </u>	Yeast&mould	IS5403	≥10cfu/g
İ	Ì			≥1cfu/ml
	 	Ţ	USFDABAM	≥10cfu/g
	Ì			≥1cfu/ml
	<u> </u>	Salmonella	IS5887(Part3)	Qualitative
	ļ		ISO6579-1	(Present/Absent/25g/25ml)
	T	T	USFDABAM	Qualitative
i	Ì			(Present/Absent/25g/25ml)
	T = = = = = = = = = = = = = = = = = = =	Shigella	IS5887(Part 7)	Qualitative
<u></u>	<u> </u>	<u>i</u>	ISO21567	(Present/Absent/25g/25ml)
	T		USFDABAM	Qualitative
<u>_</u> _	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/25g/25ml)
	T	E.coli	IS5887(Part 1)	≥10cfu/g
				≥1cfu/ml
	T	T		Qualitative
i	i			(Present/Absent/g/ml)

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	T	Ţ	Ţ	0.3 MPN/glto110MPN/g
		 	USFDABAM	≥10cfu/g
İ		i		≥1cfu/ml
	T	T	T	3MPN/gto1100MPN/g
	†	Staphylococcusaureus	IS5887(Part8/SEC-	≥10cfu/g
	 	İ	1)ISO:6888(Part 1)	≥1cfu/ml
	T	T	USFDABAM	≥10cfu/g
		İ		≥1cfu/ml
		Vibriocholera	IS5887(Part 5)	Qualitative
<u></u>	<u>i</u>	<u>i </u>	ISO21872-1	(Present/Absent/25g/25ml)
			USFDABAM	Qualitative
<u></u>	<u> </u>	<u>i</u>	<u> </u>	(Present/Absent/25g/25ml)
]	Vibrioparahaemolyticus	IS5887(Part 5)	Qualitative
<u></u>	<u>i</u>	<u>i</u>	ISO21872-1	(Present/Absent/25g/25ml)
 		}	USFDABAM	Qualitative
<u>i</u> _	<u>i</u>	<u> </u>	<u> </u>	(Present/Absent/25g/25ml)
 		Listeriamonocytogenes	IS14988-(Part1)	Qualitative
<u> </u>	<u> </u>	<u>i</u>	ISO11290(Part 1)	(Present/Absent/25g/25ml)
	 	}	USFDABAM	Qualitative
<u> </u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/25g/25ml)
 	 	Bacilluscereus	IS5887(Part 6)	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	ISO:7932	≥1cfu/ml
	 	}	USFDABAM	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
	 	Clostridiumperfringens	IS5887(Part 4)	≥10cfu/g
ļ 	<u> </u>	<u> </u>	ISO:7937	≥1cfu/ml
			USFDABAM	≥10cfu/g
<u> </u>	<u> </u>	<u> </u>	<u> </u>	≥1cfu/ml
12.	Bakery & Bakery Products	 		
	Bread, Biscuits, Sandwich, Flavoured bakery	TotalPlateCount	IS5402	≥10cfu/g ≥1cfu/ml

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	products		USFDABAM	└ ├ ≥10cfu/g
	products		OOI BABAWI	≥1cfu/ml
		Coliformcount	IS5401(Part 1)	≥10cfu/g
		J	ISO4832	= 1001d/g ≥1 cfu
		<u> </u>	IS5401(Part 2)	Qualitative
			ISO4831	(Present/Absent/g/ml)
	+	÷	 	0.3MPN/gto110MPN/g
	+	+	USFDABAM	 ≥10cfu/g
			OOI BY ID! IIV!	≥1cfu/ml
	+		 	3MPN/g to 1100MPN/g
	+	Yeast&mould	IS5403	≥10cfu/g
		Todatamodia	1	≥1cfu/ml
	+		USFDABAM	≥10cfu/g
			001 27 127 1111	≥1cfu/ml
	 	Salmonella	IS5887(Part 3)	Qualitative
			ISO:6579-1	(Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative
			 	(Present/Absent/25g/25ml)
		Shigella	IS5887(Part 7)	Qualitative
			ISO21567	 (Present/Absent/25g/25ml)
		Ţ	USFDABAM	Qualitative
				(Present/Absent/25g/25ml)
		E.coli	IS5887(Part 1)	≥10cfu/g
				≥1cfu/ml
			T	Qualitative
				(Present/Absent/g/ml)
			T	0.3MPN/gto110MPN/g
			USFDABAM	≥10cfu/g
				≥1cfu/ml
			1	(MPN/g/ml
			T	3 MPN/g to1100MPN/g
		Staphylococcusaureus	IS5887-(Part 8/SEC-1)	≥10cfu/g
			ISO:6888(Part 1)	≥1cfu/ml

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F		Ţ	USFDABAM	≥10cfu/g
1	 			≥1cfu/ml
	<u> </u>	<u> </u>	IS5887(Part 5)	Qualitative
i		Vibriocholera	ISO21872-1	(Present/Absent/25g/25ml)
		Ţ	USFDABAM	Qualitative
İ		İ		(Present/Absent/25g/25ml)
		Vibrioparahaemolyticus	IS5887(Part 5)	Qualitative
İ			ISO21872-1	(Present/Absent/25g/25ml)
		Ţ	USFDABAM-2004	Qualitative
i			(Chapter-9)	(Present/Absent/25g/25ml)
F	<u> </u>	Listeriamonocytogenes	IS14988(Part 1)	Qualitative
i			ISO11290(Part1)	(Present/Absent/25g/25ml)
		T	USFDABAM	Qualitative
į				(Present/Absent/25g/25ml)
		Clostridiumperfringens	IS5887(Part4)	≥10cfu/g
į			ISO7937	≥1cfu/ml
			USFDABAM	≥10cfu/g
į		İ		≥1cfu/ml
		Bacilluscereus	IS5887(Part 6)-	≥10cfu/g
<u>i</u>		<u>i</u>	ISO:7932	≥1cfu/ml
F		1	USFDABAM	≥10cfu/g
į į	 	 		i ≥1cfu/ml
13.	Tea &Tea Products	 		
	Tea	TotalPlateCount	IS5402	≥10cfu/g
<u>i</u>	(Blacktea,Greente	<u>i</u>	<u> </u>	≥1cfu/ml
	a,FlavoredTea)		USFDABAM	≥10cfu/g
<u>L</u>		<u>i</u>	<u> </u>	≥1cfu/ml
	 	Coliformcount	IS5401(Part 1)	≥10cfu/g
<u></u>	<u> </u>	<u>i</u>	ISO:4832	≥1cfu/ml
	 		IS5401(Part 2)	(Qualitative)
<u>L</u>	<u> </u>	<u>i</u>	ISO:4831	Present/Absent/g/ml)
				0.3 MPN/g/ to110MPN/g

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	T	T	USFDABAM	≥10cfu/g
<u>L</u>	<u> </u>	<u>i</u>	<u> </u>	≥1cfu/ml
 	<u> </u>	<u> </u>	 	3MPN/g to1100MPN/g
			IS5403	≥10cfu/g
<u>L</u>	<u> </u>	Yeast&mould	<u> </u>	≥1cfu/ml
1			USFDABAM	≥10cfu/g
<u></u>		<u>i</u>	<u> </u>	≥1cfu/ml
		Salmonella	IS5887(Part 3)	Qualitative
<u>i</u>		<u>i</u>	ISO6579-1	(Present/Absent/25g/25ml)
			USFDABAM	Qualitative
<u>i</u>	<u> </u>	<u>i</u>	<u> </u>	(Present/Absent/25g/25ml)
		}	IS5887 (Part 7)	Qualitative
<u></u>	<u> </u>	Shigella	ISO21567	(Present/Absent/25g/25ml)
 	<u> </u>	<u> </u>	USFDABAM	Present/Absent/25g/25ml
		E.coli	IS5887(Part 1)	≥10cfu/g
<u>L</u>	<u> </u>	<u>i</u>	<u> </u>	≥1cfu/ml
		}		Qualitative
<u>i</u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/g/ml)
 	<u> </u>	<u> </u>	 	0.3MPN/g to110MPN/g
1			USFDABAM	≥10cfu/g
<u></u>		<u>i</u>	<u> </u>	≥1cfu/ml
			 	3 MPN/g to1100MPN/g
		Staphylococcusaureus	IS5887(Part 8/Sec-1)	≥10cfu/g
<u>L</u>	<u> </u>	<u>i </u>	ISO6888 (Part 1)	≥1cfu/ml
			USFDABAM	≥10cfu/g
<u>L</u>	<u> </u>	<u>i </u>	<u>i</u>	≥1cfu/ml
		Vibriocholera	IS5887(Part 5)	Qualitative
<u>i</u>	<u> </u>	<u>i</u>	ISO21872-1	(Present/Absent/25g/25ml)
 			USFDABAM	Qualitative
<u>i</u>	<u> </u>	<u> </u>	<u> </u>	(Present/Absent/25g/25ml)
 		Vibrioparahaemolyticus	IS5887(Part 5)	Qualitative
<u> </u>	<u> </u>	<u> </u>	ISO21872-1	(Present/Absent/25g/25ml)
 	<u> </u>	<u> </u>	USFDABAM	Qualitative

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		performed	Limits of Detection
	===:		(Present/Absent/25g/25ml)
	Listeriamonocytogenes	IS14988(Part1)	Qualitative
		ISO11290(Part 1)	(Present/Absent/25g/25ml)
		USFDABAM	Qualitative (Present/Absent/25g/25ml)
	Bacilluscereus	IS5887(Part 6)	≥10cfu/g
		ISO:7932	≥1cfu/ml
	 	USFDABAM	 ≥10cfu/g ≥1cfu/ml
	Cleatridiumporfringene	 ICE997/Dept 4)	≥10:u/mi ≥10:cfu/g
	Clostridiumpermingens		i ≥1cfu/ml
	 		≥10cfu/g
	1	OOI BABAIVI	≥1cfu/ml
fee & Cocoa ducts	 		
fee Roasted ee, Ground	TotalPlateCount	IS5402	≥10cfu/g ≥1cfu/ml
ee, Arabica ds		USFDABAM	≥10cfu/g ≥1cfu/ml
	Coliform	IS5401(Part1)	≥10cfu/g
		ISO4832	≥1cfu/ml
	T	IS5401(Part 2)	Qualitative
	<u>i</u>	ISO:4831	(Present/Absent/g/ml)
	 	<u> </u>	0.3MPN/g to 110MPN/g
		USFDABAM	≥10cfu/g
	ļ ————————————————————————————————————	<u> </u>	≥1cfu/ml
	 	<u> </u>	3MPN/g/ to 1100MPN/g
	Yeast&mould	IS5403	≥10cfu/g
	 -		≥1cfu/ml
	 	USFDABAM	≥10cfu/g ≥1cfu/ml
•	ducts fee Roasted ee, Ground ee, Arabica	Clostridiumperfringens ducts fee Roasted ee, Ground ee, Arabica	Bacilluscereus IS5887(Part 6) ISO:7932 USFDABAM Clostridiumperfringens IS5887(Part 4) ISO:7937 USFDABAM Gee & Cocoa ducts fee Roasted ee, Ground ee, Arabica dis Coliform IS5401(Part 1) ISO4832 IS5401(Part 2) ISO:4831 USFDABAM

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F		Salmonella	IS5887(Part 3)	Qualitative
<u> </u>			ISO:6579-1	(Present/Absent/25g/25ml
F		<u> </u>	USFDABAM	Qualitative
į				(Present/Absent/25g/25ml)
F		Shigella	IS5887(Part 7)	Qualitative
i		İ	ISO21567	(Present/Absent/25g/25ml)
ļ		T	USFDABAM	Qualitative
ļ				(Present/Absent/25g/25ml)
ļ		E.coli	IS5887(Part 1)	≥10cfu/g
i		İ	, , ,	≥1cfu/ml
F		<u> </u>		Qualitative
i				(Present/Absent/25g/25ml)
ļ		T	 	0.3 MPN/g/ to 110MPN/g/
F	 	<u> </u>	USFDABAM	≥10cfu/g
ł				≥1cfu/ml
	 	<u> </u>		3MPN/g/ to 1100MPN/g
F		Staphylococcusaureus	IS5887(Part 8/SEC-1)	≥10cfu/g
i			ISO6888(Part 1)	≥1cfu/ml
ļ		<u> </u>	USFDABAM-	≥10cfu/g
i				≥1cfu/ml
F		T	IS5887(Part 5)	Qualitative
i		Vibriocholera	ISO21872-1	(Present/Absent/25g/25ml)
F		Ţ	USFDABAM	Qualitative
i		İ		(Present/Absent/25g/25ml)
		Vibrioparahaemolyticus	IS5887(Part 5)	Qualitative
i			ISO21872-1	(Present/Absent/25g/25ml)
F		 	USFDABAM	Qualitative
İ				(Present/Absent/25g/25ml)
F		Listeriamonocytogenes	IS14988(Part 1)	Qualitative
ļ]	ISO11290 (Part 1)	(Present/Absent/25g/25ml)
F		T	USFDABAM	Qualitative
į				(Present/Absent/25g/25ml)
			IS5887(Part 6)	≥10cfu/g

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	 T	Bacilluscereus	ISO:7932	≥1cfu/ml
			USFDABAM	≥10cfu/g
	 			i ≥1cfu/ml
		Clostridiumperfringens	IS5887(Part 4)	 ≥10cfu/g
			ISO7937	≥1cfu/ml
	 	<u></u>	USFDABAM	≥10cfu/g
				≥1cfu/ml
15.	Infant Foods	TotalPlateCount	IS54022012	 ≥10cfu/g
				≥1cfu/ml
	T	<u></u>	USFDABAM	 ≥10cfu/g
				≥1cfu/ml
	<u></u>		IS5401(Part1)	 ≥10cfu/g
		Coliformcount	ISO:4832	≥1cfu/ml
	 	Ţ	IS5401(Part 2)	Qualitative
			ISO:4831	(Present/Absent/g/ml)
		Ţ	Ţ	0.3MPN/g to 110MPN/g
			USFDABAM	 ≤10cfu/g
	 			i ≤1cfu/ml
	<u> </u>		 	3 MPN/gto1100MPN/g
	 	+	IS5403	≥10cfu/g
		Yeast&mould		≥1cfu/ml
	 	+	USFDABAM	≥10cfu/g
				≥1cfu/ml
	 	 	IS5887(Part 3)	Qualitative
		Salmonella	ISO:6579-1	(Present/Absent/25g/25ml)
	 	 	USFDABAM	Qualitative
				(Present/Absent/25g/25ml)
	 	Shigella	IS5887(Part 7)	Qualitative
]	ISO21567	(Present/Absent/25g/25ml)
	 	†	US FDABAM	Qualitative
				(Present/Absent/25g/25ml)
	 	†	USFDABAM	Qualitative
	 			(Present/Absent/25g/25ml)

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		E.coli	IS5887 (Part 1)	≥10cfu/g ≥1cfu/ml
		†	 	Qualitative (Present/Absent/g/ml)
	<u> </u>	 		0.3MPN/g to 110MPN/I
		 	USFDABAM	≥10cfu/g ≥1cfu/ml
 	 	<u> </u>	 	3 to 1100MPN/g
 		Staphylococcusaureus	IS5887(Part 8/SEC1) ISO6888(Part 1)	≥10cfu/g ≥1cfu/ml
	 	 	USFDABAM-	≥10cfu/g ≥1cfu/ml
		Vibriocholera	IS5887(Part 5) ISO21872-1	Qualitative (Present/Absent/25g/25ml)
		†	USFDABAM	Qualitative (Present/Absent/25g/25ml)
		Vibrioparahaemolyticus	IS5887(Part 5) ISO21872-1	Qualitative (Present/Absent/25g/25ml)
		†	USFDABAM	Qualitative (Present/Absent/25g/25ml)
		Listeriamonocytogenes	IS14988(Part 1) ISO11290(Part 1)	Qualitative (Present/Absent/25g/25ml)
		†	USFDABAM	Qualitative (Present/Absent/25g/25ml)
	 	Clostridiumperfringens	IS5887(Part 4) ISO7937	≥10cfu/g ≥1cfu/ml
		†	USFDABAM	≥10cfu/g ≥1cfu/ml
		Bacilluscereus	IS5887(Part 6) ISO 7932	≥10cfu/g ≥1cfu/ml
		 	USFDABAM	≥10cfu/g ≥1cfu/ml
1	1	1	1	i İ

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II,	WATER		 	_=====================================
1.	Packagingdrinkin gwater	AerobicMicrobialcount- 37°C	IS5402 ISO4833 (Part 1)	≥1cfu/ml
	 	AerobicMicrobialcount- 22°C	IS5402-2012 ISO4833(Part1)	≥1cfu/ml
	 	E.coliandColiform	IS15185 ISO9308-1	Qualitative (Present/Absent/250ml)
		Enterococci (FaecalStreptococci)	IS15186 ISO7899	Qualitative (Present/Absent/250ml)
		YeastandMouldCount	IS5403	Qualitative (Present/Absent/250ml)
	 	Sulphite- Reducinganaerobes (Clostridia)	IS13428 	Qualitative (Present/Absent/50ml)
		Staphylococcusaureus	IS5887(Par2)	Qualitative (Present/Absent/250ml) Qualitative (Present/Absent/250ml)
	† 	Salmonella	IS15187	Qualitative (Present/Absent/250ml)
		Shigella	IS5887(Part 7)	Qualitative (Present/Absent/250ml)
	 	Vibriocholerae	IS5887(Part 5)	Qualitative (Present/Absent/250ml)
	 	Vibrioparahaemolyticus	IS5887(Part5)	Qualitative (Present/Absent/250ml)
2.	Borewellwater	Totalcoliform	IS1622	2 MPN/100ml to 1600MPN/100ml
		FaecalcoliformorTherm otolerantcoliform	IS1622	2-1600MPN/100ml
- 		E.coli	IS1622	2 MPN/100ml to 1600MPN/100ml

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 	T	Faecalstreptococci	IS1622	2 MPN/100ml to 1600MPN/100ml
F	<u> </u>	StandardPlatecount	IS1622	≥1cfu/ml
3.	Water for	StandardPlatecount	IS4251	≥1cfu/ml
 	Processed Food Industry	ThermophillicBacterial Count	IS4251	≥1cfu/ml
 		Coliform	IS4251	2 MPN/100ml to 1600MPN/100ml
	T	ProteolyticPlateCount	IS4251	≥1cfu/ml
	T	LipolyticPlateCount	IS4251	≥1cfu/ml
4.	Swimming Pool	StandardPlatecount	IS3328	≥1cfu/ml
 	Water	Coliform	IS3328	2 MPN/100ml to 1600MPN/100ml

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	CHEMICAL TESTING							
 	FOOD AND AGRICU	JLTURAL PRODUCTS		 				
1.	Milk & Dairy Products	T		 				
	Milk	Urea	IS 1479 (Part I)	Qualitative				
	 	Starch	IS 1479 (Part I)	Qualitative				
	 	Neutralizers	IS 1479 (Part I)	Qualitative				
		Cane Sugar	IS 1479 (Part I)	Qualitative				
		Test for Cellulose	FSSAI Manual 1	Qualitative				
	 	Test for Ammonium Compounds	FSSAI Manual 1	Qualitative				
	<u> </u>	Test for Sulphates	FSSAI Manual 1	Qualitative				
	 	Test for Added glucose	FSSAI Manual 1	Qualitative				
	 	Test for Sodium Chloride	FSSAI Manual 1	Qualitative				
	 	Test for Foreign Fat	FSSAI Manual 1	Qualitative				
	 	Test for Hypochlorite's and Chloramines	FSSAI Manual 1	Qualitative				
	† 	Test for Quaternary Ammonium Compounds	FSSAI Manual 1	Qualitative				
	 	Anionic Detergents	FSSAI Manual 1	Qualitative				
	 	Skimmed milk powder	FSSAI Manual 1	Qualitative				
	 	Formalin	FSSAI Manual 1	Qualitative				
	 	Hydrogen Peroxide	FSSAI Manual 1	Qualitative				
	 	Boric Acid and Borates	FSSAI Manual 1	Qualitative				
	 	Salicylic Acid	FSSAI Manual 1	Qualitative				
	 	Nitrates	FSSAI Manual 1	Qualitative				
	 	Milk fat	A.O.A.C, 905.02	0.1 g/100g to 10 g/100g				

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		Milk solids not fat	A.O.A.C.990.21	1 g/100g to 95 g/100g
	 	Total Solid	A.O.A.C.990.21	1 g/100g to 50g/100g
	 	Total Nitrogen/Crude Protein	AOAC 991.20	0.1 g/100g to 20 g/100g
	 	Alkalinity of ash	IS 1479 (Part I)	Qualitative
	 	Titrable acidity	IS 1166	0.05 g/100g to 10 g/100g
2.	Milk Powder	Moisture	IS 11623	0.1 g/100g to 10 g/100g
	 	Milk fat	IS 11721	0.1 g/100g to 30 g /100g
	 	Milk protein	A.O.A.C. 991.23	10 g/100g to 80 g/100g
	 	Titrable acidity	IS 1165	0.05 g/100g to 10g/100g
	 	Total Carbohydrates	IS 1656	5 g/100g to 60g/100g
	 	Lactose	IS 1479 (Part II)	10 g/100g to 85 g/100g
		Total ash	IS 1165	0.05 g/100g to 10 g/100g
3.	Curd	Starch	IS 1479 (Part I)	Qualitative
	 	Fat	IS 1479 (Part I)	01 g/100g to 20g/100g
	 	Total Solids	IS 12333 ISO 6731	0.1 g/100g to 50 g/ 100g
4.	Paneer , Cheese	Starch	IS 1479 (Part I)	Qualitative
	 	Sugar	IS 1479 (Part I)	Qualitative
	T	Moisture	IS 2785 AOAC 926.08	1.0 g/100g to 80 g/ 100g
	 	Salt	IS 2785	01 g/100g to 20g/100g
	 	Milk fat	IS 2785	1.0 g/100g to 80 g/ 100g
5.	Butter	Moisture	A.O.A.C 920.116	1 g/100g to 50g/100g
		Milk fat	IS 3507	80 g/100g to 90 g/100g

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	T	Curd	IS 3507	0.5 g/100g to 5 g/100g
		PH	IS 3507	0.1 to 14
	 	Titrable Acidity	IS 3507	0.05 g/100g to 10 g/100g
		Common salt	IS 3507	01 g/100g to 20g/100g
6.	Ghee	Moisture	IS 3508	0.02 to 20 g/100g
	 	Free fatty acid	IS 3508	0.1 g/100g to 20 g/100g
	 	Test for Sesame oil(Boudin Test)	IS 3508	Qualitative
	†	Iodine Value	IS 3508	5 to 150
	†	Unsaponifiable Matter	IS 3508	0.1 g/100g to 10 g/100g
	†	Saponification Value	IS 3508	50 to 280
		Peroxide value	IS 3508	0.1 meq/1000g to 50 meq/1000g
7.	Ice cream, Kulfi	Total Solid	IS 2802	1.0 g/100g to 80 g/ 100g
	†	Sucrose	IS 2802	5 g/100g to 25 g/100g
	 	Fat	IS 2802	1 g/100g to 50g/100g
2.	Fruits & Vegetable I	Products		
	Fruits, vegetables	pH Value	AOAC 942.15	0.1 to 14
	and their Products	Ash	AOAC 940.26	0.01 g/100g to 10 g/100g
		Total solids	AOAC 920.51	1 g/100g to 50g/100g
		Sodium Chloride	IS 3881 FSSAI-Manual 5	0.5 g/ 100g to 20 g/100g
	T	Acid Insoluble Ash	IS 13846	0.01 g/100g to 10 g/100g
	T	Acidity	AOAC 942.15	0.1 g/100g to 50 g/100g
		Benzoic acid	FSSAI-Manual-8	100 to 500 mg/kg
3.	Nut and Nut Products	 	 	
	Nut and Nut	 	· 	
	Products	Moisture	AOAC 925.40	01g/100g to 20g/100g

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	T	Ash	AOAC 950.49	0.1g/100g to 5.0g/100g
	 	Protein	AOAC 950.48	5g/100g to 50 g/100g
	†	Fat	AOAC 948.22	0.5g/100g to 50g/100g
	†	Crude fiber	AOAC 935.53	0.2g/100g to 5.0g/100g
4.	Cereals, Pulses and Cereal Products		 	
a.	Whole and Splits	Moisture	IS 4333 (Part 2)	1 g/ 100g to20 g/100g
	of cereals, pulses,	Extraneous matter	IS 4333 (Part 1)	0.1 g/ 100g to 10 g/100g
	oil seeds and their products	Refractions other than Foreign matter	IS 4333 (Part 1)	0.1 g/100g to 10 g/100g
		Other edible grains	IS 4333 (Part 1)	0.1 g/100g to 10 g/100g
		Damaged grains	IS 4333 (Part 1)	0.1 g/100g to 10 g/100g
		Weevilled grains	IS 4333 (Part 1)	0.1 g/100g to 10 g/100g
b.	Atta(Wheat)	Moisture	IS 1155	5 g/100g to 20 g/100g
		Total ash	IS 1155	0.05 g/100g to 10 g/100g
		Acid insoluble Ash	IS 1155	0.1 g/100g to 20 g/100g
		Dry Gluten	IS 1155	1.0 g/100g to 35 g/100g
		Alcoholic acidity	IS 1155	0.01 g/100g to 10 g/100g
		Total Protein	AOAC 979.09	5 g/100g to 50 g/100g
		Crude Fiber	IS 1155	0.2 g/100g to5 g/100g
C.	Maida	Moisture	IS 1009	0.1 g/100g to 20 g/100g
		Total ash	IS 1009	0.05 g/100g to 10 g/100g
		Acid insoluble Ash	IS 1009	0.01 g/100g to 5 g/100g
		Dry Gluten	IS 1009	1.0 g/100g to 35 g/100g
		Alcoholic acidity	IS 1009	0.01 g/100g to 10 g/100g
	T	Total Protein	AOAC 979.09	5 g/100g to 50 g/100g
d.	Suji or Rava	Moisture	IS 1010	0.1 g/100g to 20 g/100g
		Total ash	IS 1010	0.01 g/100g to 10 g/100g
	T	Acid insoluble Ash	IS 1010	0.01 g/100g to 5 g/100g
	T = = = = = = = = = = = = = = = = = = =	Gluten	IS 1010	1.0 g/100g to 35 g/100g
		Alcoholic acidity	IS 1010	0.01 g/100g to 10 g/100g

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	T	Total Protein	AOAC 979.09	5 g/100g to 50 g/100g
5	Bakery & confection	nery products	T	
a.	Biscuits	Moisture	IS 1011	1 g/100g to 5 g/100g
		acidity of extracted fat	IS 1011	0.1 g/100g to 20 g/100g
		Acid Insoluble ash	IS 1011	0.01 g/100g to 5 g/100g
b.	Bread and bakery	Alcoholic acidity	IS 12711	0.01 g/100g to 10 g/100g
ļ	products	Moisture	IS 12711	1 g/100g to 50 g/100g
	 	Acid Insoluble Ash	IS 12711	0.01 g/100g to 2 g/100g
	T	Reducing Sugar	IS 6287	5 g/100g to 20 g/100g
C.	Confectionery,	Total Protein	IS 6287	1 g/100g to 50 g/100g
	Chocolate and	Sulphated Ash	IS 6287	0.01 g/100g to 5 g/100g
	cookies	Acid Insoluble Ash	IS 6287	0.01 g/100g to 5 g/100g
	<u> </u>	Fat	IS 6287	1 g/100g to 50 g/100g
		Total Sugar	IS 6287	5 g/100g to 50 g/100g
		Sucrose	IS6287	5 g/100g to 40 g/100g
 	 	Lactose	IS1479 (Part2)	1 g/100g to 30 g/ 100g
6.	Sugar & sugar products	T		
	Sugar	Moisture	IS 15279	0.01 g/100g to10 g/100g
		Total Ash	IS 15279	0.01g/100gto 5 g/100g
 	 	Sulphur Dioxide	IS 15279	1 g/100g to 100 mg/kg
 		Sulphated Ash	IS 15279	0.01g/100g to 5 g/100g
7.	Tea & Coffee, Cocoa products	 		
a.	Tea and its	Moisture	IS 13853	0.1g/100g to 25 g/100g
<u></u>	products	Total Ash	IS 13854	0.1g/100g to 10 g/100g
<u> </u>	 	Acid-insoluble ash	IS 13857	0.01g/100g to 5 g/100g
	 	Water Soluble Ash	IS 13855	1.0g/100g to 80 g/100g

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Alkalinity of Water soluble Ash	IS 13856	0.1g/100g to 10 g/100g
		Water extract or Aqueous Extract	IS 13862	0.5g/100g to 50 g/100g
		Crude Fibre	IS10226(Part I)	0.1g/100g to 50 g/100g
b.	Coffee, cocoa and	Moisture	I.S 3077	2g/100g to 5 g/100g
	their products	Total Ash	I.S 3077	3 g/100g to 6 g/100g
	 	Acid insoluble ash	I.S 3077	0.01g/100g to 0.1 g/100g
		Water Soluble Ash	I.S 3077	25 g/100g to 90 g/100g
	 	Petroleum Ether extract	I.S 3077	1 to 50 g/100g
		Water extract or Aqueous Extract	IS 13862	10 g/100g to 50 g/100g
8.	Spices And Condiments		 	
a.	Cardamom	Extraneous matter	IS 1797	0.1 g/100g to 10 g/100g
	Whole ,Cardamom	Moisture	IS 1797	4 g/100g to 20 g/100g
	Powder, Cloves	Total ash	IS 1797	1 g/100g to30 g/100g
	Powder, Coriander	Acid insoluble Ash	IS 1797	0.1g/100g to20 g/100g
	Whole& powder	Water Insoluble Ash	IS 1797	0.1g/100g to20 g/100g
	│ Ginger │ Whole & Powder	Volatile oil content	IS 1797	1 g/100g to 30 g/100g
	Mixed Masala Curry, Asafotida,	Non-volatile ether extract	IS 1797	0.5 g/100g to 40 g/100g
	Dehydrated Garlic	Cold Water Soluble Extract	IS 1797	0.05 g/100g to 90 g/100g
	 	Alcoholic Soluble Extract	IS 1797	0.05 g/100g to 90 g/100g
	 	Crude fibre	IS 1797	1 g/100g to 30 g/100g
b.	Chilly Whole, Powder	Color value	AOAC 971.26	10 to 150
С.	Turmeric Whole,	Lead chromate	IS 1797	Qualitative

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	Powder	Curcumin content	ASTA	1 g/100g to 10 g/100g
	†	Starch	IS 4706 (Part2)	45 g/100g to 70 g/100g
d.	Pepper Whole, Powder	Piperine Content	AOAC 987.07	1 g/100g to 10 g/100g
е.	Edible Salt		T	
f.	Edible Salt,	Moisture	IS 253	0.05 g/100g to 20 g/100g
	Common Salt,	Water Insoluble Matter	IS 253	0.1 g/100g to 10 g/100g
	lodized Salt	Chloride (as NaCl)	IS 253	0.1 g/100g to 99 g/100g
		Matter Soluble In Water Other than Sodium Chloride	IS 253	0.1 g/100g to 10 g/100g
9.	Oils and Fats			
	Oils and Fats	Moisture & Volatile Matter	IS 548 (Part -I)	0.01 g/100g to 20 g/100g
		Saponification value	IS 548 (Part I)	50 to 280
		lodine value (Wij's method)	IS 548 (Part -I)	1 to 150
	T	Acid value	IS 548(PartI)	0.01 to 10
	T	Unsaponifiable matter	IS 548 (Part I)	0.1 g/100g to 10 g/100g
	†	Insoluble Impurities	IS 548(Part I)	0.01 g/100g to 20 g/100g
	 	Peroxide Value	IS 548(Part I)	0.5 meq/1000g to 80 meq/1000g
	 	Specific Gravity	IS548(Part I)	0.1 to 5
II.	MARINE /AQUA CU	LTURE FOOD PRODUCT	<u> </u>	
1.	Fish and Fish	TVBN	EC No. 2074:2005	10mg/kg to 150mg/kg
	products, Fresh &	Phosphrous	IS 5960 (Part16)	1000mg/kg to 5000mg/kg
	Frozen Sea Foods	Moisture	AOAC 952.08	0.1g/100g to 90g/100g
	and their products	Ash	AOAC 952.08	0.5g/100g to 100g/100g
	 	Fat	AOAC 948.15	0.1g/100g to 10g/100g
	 	Salt	AOAC 937.09	0.1g/100g to 5g/100g

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SI.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
III.	ANIMAL FOOD AND FEEDS			
1.	Animal Feed / Poultry Feed/ Shrimp Feed/ Fish Feed	Moisture Total Ash Acid Insoluble Ash Crude Protein Urea Nitrogen Crude fat	IS 7874 (Part I) IS 7874 (Part I) IS 7874 (Part I) IS 7874 (Part I) IS 7874 (Part I) IS 7874 (Part I) IS 7874 (Part I) EC-2074	1 g/100g to 25 g/100g 0.1 g/100g to 10 g/100g 0.1 g/100g to 10 g/100g 5 g/100g to 80 g/100g 0.1 g/100g to 40 g/100g 0.1 g/100g to 25 g/100g 10 mg/ kg to 200 mg/ kg
	 	Crude Fiber	IS 7874 (Part I)	1 g/100g to 25 g/100g

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