FORM 72

RECOMMENDED SCOPE OF ACCREDITATION
(For Testing Laboratories)

Laboratory: **INDIAN INSTITUTE OF INTEGRATIVE MEDICINE, JAMMU**					
Facility: **Testing**			Discipline(s): **Chemical**		
S.No.	Product(s)/ Material of test	Specific tests performed	*Test Method/ Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty of Measurement (±)
I.	**FOOD AND AGRICULTURE PRODUCT**				
1.	**Nuts and nut product**	**Aflatoxin**	DOP/SOP No. 02 14/12/10 (AOAC 2005 18th Ed. Official Method 990.33 Section 49.2.17)	0.5 –20 µg/kg	
		B1			0.549 at (20µg/kg)
		B2			0.804 at (20µg/kg)
		G1			0.429 at (20µg/kg)
		G2			0.464 at (20µg/kg)
		Free Fatty Acids	AOAC 2005 18th Ed. Official Method 948.28 Section 41.1.14	0.01 to 50%	0.126 at (4.33%)
		Peroxide value	AOAC 2005 18th Ed. Official Method 965.33 Section 41.1.14	0.2 to 2000 m.eq/kg	0.002 at (1.38 m.eq/kg)
		Iodine value	AOAC 2005 18th Ed. Official Method 920.159 Section 41.1.14	10 to 250	0.430 at (94.47)
2.	**Honey and honey products**	Moisture	IS 7874 :1975 (Part I) with amendment no 2 1991	0.01 to 30%	0.045 at (19.0%)
		Specific gravity	IS 4941:1994	1 to 2 g/ml	0.0022at(1.416g/ ml)
		Reducing sugar		0.01 to 90%	0.110 at

					(70.41%)
		Sucrose		0.2 to 95%	0.08 at (2.0%)
		Fructose-Glucose Ratio		0.5 to 1.5	0.135 at (1.3)
		Acidity		0.1 to 5%	0.01 at (0.16)
		Ash		0.1 to 20%	0.006 at(12.25%)
		Lead	DOP/SOP No. 104; 14/12/2010 AOAC 2005 Method 999.10 18th Ed.	0.0001 to 100 mg/kg	0.0003 at (50mg/kg)
		Copper	DOP/SOP No. 104;14/12/2010 AOAC 2005 Method 999.10 18th Ed.	0.0001 to 100 mg/kg	0.0005 at(50 mg/kg)
		Cadmium	DOP/SOP No. 104;14/12/2010 AOAC 2005 Method 999.10 18th Ed.	0.0001 to 100 mg/kg	0.0042 at (50 mg/kg)
		Mercury	DOP/SOP No. 104;14/12/2010 AOAC 2005 Method 999.10 18th Ed.	0.001 to 100 mg/kg	0.0006 at (50 mg/kg)
		Pesticides	**As per annexure-1**		
		Drugs	**As per annexure-2**		
3.	**Alcoholic drinks & beverages**	Ethanol content	IS 3752 : 2005	0.1 to 45%	1.35 at (42.8%)
		Volatile acids		0.7 to 100g/100L	0.21 at (2.87 g/100L)
		Higher alcohols as amyl alcohol		4.1 to 400g/100L	0.156 at (128.92 g/100L)
		Esters as ethyl acetate		2.0 to 100g/100L	0.1045 at (54.75 g/100L)
		Aldehydes as acctaldehyde, acid		0.6 to 80g /100L	0.0690 at (5.66 g/100L)
		Total solids		0.01 to 10g/100L	0.024 at (0.36 g/100L))
		Methyl alcohol		Qualitative	N.A.

		Total Acids		0.1 to 10g/100L	0.72 at (70.32 g/100L)
		Sp. gravity		0.5 to 1.0	0.002 at (0.95)
4.	**Animal feeds**	pH	IS 3865 : 2001 with amendment no.1 2010	0.5 to 14	0.05 at (3.60)
		Copper	IS 3025 : 1992 Part 46 with amendment no.1 2004	0.0001 to 300 mg/l	0.035 at (200 mg/l)
		Moisture	IS 7874 : 1975 Part I with amendment no. 2 1991	0.05 to 20%	0.045 at (10.96%)
		Crude protein	IS 7874 :1975 Part I with amendment no. 2 1991	0.01 to 75%	0.59 at (16.35%)
		Crude fiber	IS 7874 :1975 Part I with amendment no. 2 1991	0.05 to 50%	0.38 at (7.9 %)
		Crude fat	IS 2322:1998 with amendment no. 1 2007	0.05 to 56%	0.001 at (56%)
		Salt as NaCl	IS 7874 : 1975Part II	0.1 to10 %	0.851 at (30.08 %)
		Total ash	IS 7874 : 1975 Part II	0.05 to 20%	0.006 at (12.25%)
		Acid insoluble ash	IS 7874 :1975 Part I with amendment no. 2 1991	0.05 to 10%	0.0172 at (3.50 %)
		Total carbohydrates	IS 7874 : 1975 Part II	5 to 80%	0.079 at (50.75%)
		Reducing sugar	IS 4941:1994	0.1 to10%	0.110 at (41.86%)
		Non reducing sugar	IS 4941:1994	0.1 to 40%	0.079 at (3.0%)
		Starch	IS 1797: 1985 with amendment no. 2 1994	0.1 to 60%	0.098 at (50.75%)
		Calcium	IS 1797: 1985	0.1to 10%	0.0645 at (2.75%)

			with amendment no. 2 1994		
		Total energy	IS 7874 : 1975 part II	10Kcal to 5000Kcal/kg	2.998 at (418.05 Kcal/kg)
5.	**Spices & condiments**	Essential oil	IS 1797: 1985 with amendment no. 2 1994	0.5 to 40%	0.041 at (25.9%)
		Starch	IS 1797: 1985 with amendment no. 2 1994	0.05 to 80%	0.098 at (50.75%)
		Crude fibre	IS 2322:1998 with amendment no.1 2007	0.05 to 35%	0.38 at (7.9%)
		Total Ash	IS 2322:1998 with amendment no. 1 2007	0.05 to 20%	0.006 at (12.25%)
		Acid insoluble ash	IS 2322:1998 with amendment no. 1 2007	0.05 to 10%	0.017 at (3.50%)
6.	**Nutraceuticals**				
6.1	**Impurity Residual profiles**	**Toxic metals**			
		Lead	DOP/SOP No. 104; 14/12/2010 AOAC 2005 Method 990.08/ 993.14 18th Ed.	0.0001 to 1000 mg/kg	0.0011 at (250 mg/kg)
		Mercury	DOP/SOP No. 104; 14/12/2010 AOAC 2005 Method 990.08/ 993.14 18th Ed.	0.001 to 1000 mg/kg	0.022 at (250 mg/kg)
		Arsenic	IS 3025: 1988 Part 37	0.0001 to 1000 mg/kg	0.0012 at (250 mg/kg)
		Cadmium	DOP/SOP No.	0.0001 to 1000	0.0006 at (250 mg/kg)

			104; 14/12/2010 AOAC 2005 Method 990.08/ 993.14 18th Ed.	mg/kg	
		Pesticides	**As per Annexure-1**		
		Aflatoxins			
		B1	DOP/SOPNo. 02 14/12/2010 (AOAC 2005 18th Ed. Official Method 990.33 Section 49.2.17)	0.5-500 µg/kg	0.549 at (20 µg/kg)
		B2		0.5-500 µg/kg	0.804 at (20 µg/kg)
		G1		501-2000 µg/kg	0.429 at (20 µg/kg)
		G2		501-2000 µg/kg	0.464 at (20 µg/kg)
6.2	**Energy Total Energy in K/Cal**	Total Energy in K/Cal	IS 7874 : 1975 part II	10Kcal to 5000Kcal/kg	2.998 at (418.05 Kcal/kg)
		Total carbohydrates	IS 7874 : 1975 Part II	5 to 80%	0.079 at (50.75%)
		Total proteins	IS 7874 :1975 Part I with amendment no. 2 1991	0.01 to 75%	0.59 at (16.35%)
		Total Sugars	IS:4941-1994	0.2 to 95%	0.08 at (2.0%)
		Total Fat (Lipid)	IS 2322:1998 with amendment no. 1 2007	0.05 to 56%	0.001 at (56.05%)
6.3	**Minerals & Micronutrients**	Calcium	AOAC 2005 Method 990.08/ 993.14 18th Ed.	0.1 to 500 mg/kg	0.0005 at (250 mg/kg)
		Sodium	AOAC 2005 Method 990.08/993.14 18th Ed.	0.001 to 500 mg/kg	0.0006 at 250 mg/kg)
		Magnesium		0.5 to 500 mg/kg	0.0007 at 250 mg/kg)
		Selenium		0.0001 to 500 mg/kg	0.0011 at 250 mg/kg)
		Iron		0.0001 to 500 mg/kg	0.0004 at 250 mg/kg)
		Zinc		0.0001 to 500 mg/kg	0.0005 at 250 mg/kg)
		Copper		0.0001 to 500 mg/kg	0.0004 at 250 mg/kg)
		Manganese		0.0001 to 500 mg/kg	0.0005 at 250 mg/kg)
6.4	**Vitamins**	Vitamin A	AOAC 1,2006 Part II Chapter 45	10-200 mg/kg	0.970(at100 mg/kg)
		Vitamin B1		5-200 mg/kg	1.435 (at100 mg/kg)

		Vitamin B6		5-200mg/kg	1.042 (at100 mg/kg)
		Vitamin D		10-200 mg/kg	0.608 (at100 mg/kg)
		Vitamin K		10-200 mg/kg	0.997 (at100 mg/kg)
		Vitamin C		20-5000mg/kg	0.608 (at100 mg/kg)
		Vitamin B2		5-200 mg/kg	1.435 (at100 mg/kg)
		Vitamin B12		1-200 mg/kg	0.697 (at100 mg/kg)
		Vitamin E		10-200 mg/kg	0.988 (at100 mg/kg)
6.5	**Lipid profile**	Fatty acid	AOAC 1, 2006 Part II Chapter 41	0.5 to 15%	0.126 at (4.33%)
		Total saturated			0.212at (4.33%)
		Fatty acid total polysaturated			0.186 at (4.33%)
		Cholesterol			0.193 at (4.33%)
II	**DRUGS AND PHARMACEUTICALS**				
1.	**Chemistry manufacturing Control (CMC) of herbal drugs**	Chemical identification by spectroscopic and or chromatographic fingerprinting Assay of active constituents or characteristic markers	HPLC Profile LCMSMS profile HPTLC profile &	Quantitative Quantitative Qualitative confirmations	
		Toxic metals			
		Mercury	DOP-104 14/12/2010 AOAC 2005 Method 990.08/ 993.14 18th Ed.	0.001 to 1000 mg/kg	0.0022 at (250 mg/kg)
		Lead		0.0001 to 1000 mg/kg	0.0011 at (250mg/kg)
		Cadmium		0.0001 to 1000 mg/kg	0.0006 at (250 mg/kg)
		Arsenic		0.0001 to 1000 mg/kg	0.0012 at (250mg/kg)
		Pesticides	**As per Annexure -1**		
		Toxic metals			
		Mercury	DOP-104 14/12/2010 AOAC 2005 Method 990.08/ 993.14 18th Ed.	0.001 to 1000 mg/kg	0.0022 at (250 mg/kg)
		Lead		0.0001 to 1000 mg/kg	0.0011 at (250mg/kg)
		Cadmium		0.0001 to 1000 mg/kg	0.0006 at (250 mg/kg)

		Arsenic		0.0001 to 1000 mg/kg	0.0012 at (250mg/kg)
		Pesticides	As per Annexure -1		
		Adventitious toxins (e.g. aflatoxin)	DOP/SOP No. 02 (AOAC 2005 18th Ed. Official Method 990.33 Section 49.2.17)		
		B1		0.5-500 µg/kg	0.549 at (20 µg/kg)
		G1		0.5-500 µg/kg	0.804 at (20 µg/kg)
		G2		501-2000 µg/kg	0.429 at (20 µg/kg)
		G2		501-2000 µg/kg	0.464 at (20 µg/kg)
		Solvents	USP- 467	1 to 5000 mg/l	
		Methylene chloride			0.500 (at 50mg/l)
		Chloroform			0.603 (at 50mg/l)
		Methanol			0.635 (at 50mg/l)
		Hexane			0.679 (at 50mg/l)
		Carbentetra chloride			0.831 (at 50mg/l)
		Acetonitrile			0.827 (at 50mg/l)
		1,2-dimethoxy ethane			1.274 (at 50mg/l)
		Nitronmethane			0.845 (at 50mg/l)
		1,4-dioxane			0.751 (at 50mg/l)
		Methyle cyero hexane			0.684 (at 50mg/l)
		Cyclohexane			0.246 (at 50mg/l)
		Benzene			0.165 (at 50mg/l)
		Pyridine			0.201 (at 50mg/l)
		Toluene			0.827 (at 50mg/l)
		Chlorobenzene			0.232 (at 50mg/l)
		Ethylene glycol			0.782 (at 50mg/l)
		N-N'-dimethyl-acetanide			0.429 (at 50mg/l)
		Xylene			0.827 (at 50mg/l)
		Sulfolane			0.697 (at 50mg/l)
		Formanide			0.827 (at 50mg/l)
		Tetraline			0.281 (at 50mg/l)
		1-methyl-2-pyrrdidinone			0.831 (at 50mg/l)
		2-Methoxy-ethanol			0.639 (at 50mg/l)
		2-Ethoxy-ethanol			0.550 (at 50mg/l)

		Residue on ignition/ /	DOP/SOP No. 64 14/12/2010	3-25%	0.006 at (12.25%)
		water content	IS:7874 part 1 1975	0.05 to 20%	0.045 at (10.96%)

2.0	**Herbal extracts**	HPLC Profile and HPTLC profile	DOP/SOP No. 36 Dt: 14/12/2010	Qualitative confirmation by comparison with the extracts of plants available/ documented in IIIM repository	NA
2.1	**Podophyllotoxins/ P. hexandrum**	Assay, HPLC,	DOP/SOP No. 93 Dt: 14/12/2010	0.5 -90.0%	0.715 at (70.0%)
		HPTLC profile (qualitative)		Qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000 mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg /kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250 mg/kg)
2.2	**Vanillin/Vanilla parifolia**	Assay, HPLC,	DOP/SOP No. 94 Dt: 14/12/2010	0.5 -90.0%	0.715 at (70.0%)
		HPTLC profile (qualitative)		Qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg /kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250 mg/kg)
2.3	**Saffron/ *Crocus*/ Preparation $E^{1\%}_{1CM}$ at 440 nm**	Water & Volatile matter at 103°C%	DOP/SOP No. 50 Dt: 14/12/2010 IS 5453: 1996 Part 2 ISO 3632-2 :	0.01-10%	0.002 at(0.03%)
		Crude fibre		0.01-10%	0.190 at (7.9%)
		Ash		0.01-10%	0.006 at (12.25%)

		Ash insoluble in HCl	1993	0.01-10%	0.008 at (2.5%)
		Nitrogen		0.01-10%	0.383 at (3.5%)
		Colouring power		1.0-250 $E^{1\%}_{1CM}$ at 440 nm	0.022 at (250 $E^{1\%}_{1CM}$ at 440 nm
2.4	**Curcumin/Haldi/ *Curcuma*/ Preparations**	Extractive value	DOP/SOP No. 61 Dt: 14/12/2010	0.5 -20.0%	0.041 at (11.90%)
		Assay, HPLC,		0.01-99.5%	0.182 at (15.20%)
		HPTLC profile		0.01-99.5%	0.131 at (15.20%)
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250 mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250 mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at(3.50%)
2.5	**Gallic acid / Ellagic acid in Amalki / *Terminalia* / Preparations**	Extractive value	DOP/SOP No. 62 Dt: 14/12/2010	0.5 -30.0%	0.041 at (13.80%)
		Assay, HPLC (Gallic acid)		0.01-99.5%	0.174 at (4.25%)
		Assay,HPLC (Ellagic acid)		0.01-99.5%	0.894 at (5.45%)
		HPTLC profile (Gallic acid)		0.01-99.5%	0.144 at (4.25%)
		HPTLC profile (Ellagic acid)		0.01-99.5%	0.162 at(5.45%)
		Heavy /Trace metals			

		Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000 mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000 mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000 mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006at (12.25%)
		Acid insoluble ash		2-20%	0.017at (3.50%)
2.6	**Piperine / Pimpali / Maricha / *Piper* preparations**	Extractive value	DOP/SOP No. 63 Dt: 14/12/2010	0.5 - 25%	0.041 at (10.2%)
		Assay, HPLC,		0.01-99.5%	0.348 at (14.4%)
		HPTLC profile		0.01- 99.5%	0.125 at (14.4%)
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000 mg/kg	0.0011 at (250 mg/kg)
		Cd,		0.0001-1000 mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000 mg/kg	0.0012 at (250 mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at(20µg/kg)
		B2		0.5 -500µg/kg	0.804 at(20µg/kg)
		G1		501- 2000µg/kg	0.429 at(20µg/kg)
		G2		501- 2000µg/kg	0.464 at(20µg/kg)

		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at(3.50%)

2.7	**Withanolids / Ashwangdha / *withania* preparations**	Extractive value	DOP/SOP No. 64 Dt: 14/12/2010	0.01-99.5%	0.041 at (15.20%)
		Assay, HPLC, Withanolide A		0.01-99.5%	0.894 at (2.30%)
		Assay, HPLC Withanone		0.01-99.5%	0.849 at (11.50%)
		Assay, HPLC Withferin A		0.01-99.5%	0.715 at (7.50%)
		HPTLC profile Withanolide A		0.01-99.5%	0.150 at (2.30%)
		HPTLC profile Withanone		0.01-99.5%	0.867 at (11.50%)
		HPTLC profile Withferin A		0.01-99.5%	0.431 at (7.50%)
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250 mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250 mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at(20µg/kg)
		B2		0.5 -500µg/kg	0.804 at(20µg/kg)
		G1		501- 2000µg/kg	0.429 at(20µg/kg)
		G2		501- 2000µg/kg	0.464 at(20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.8	**Pinitol / Gokhru/*Tribulus* preparations**		DOP/SOP No. 65		
		HPTLC profile (qualitative)		Qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250 mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250

			Dt: 14/12/2010		mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
2.9	**Tinosporasides & cordiosides / Columbin edysteroids/ Guddchi / *Tinospora* preparations**	Extractive value	DOP/SOP No. 66 Dt: 14/1/2/2010	0.5-30%	0.041 at (12.2%)
		Assay, HPLC, cordiosides		0.01-10,000 mg/kg	0.626 at (100 mg/kg)
		Assay, HPLC, columbin		0.01-10,000 mg/kg	0.268 at (100 mg/kg)
		Assay, HPLC,Edysteroids		0.01-10,000 mg/kg	0.849 at (100 mg/kg)
		Assay, HPLC Tinosporasides		0.01-10,000 mg/kg	0.357 at (100 mg/kg)
		HPTLC profile Tinosporasides		0.01-10,000 mg/kg	0.150 at (100 mg/kg)
		HPTLC profile cordiosides		0.01-10,000 mg/kg	0.304 at (100 mg/kg)
		HPTLC profile columbin		0.01-10,000 mg/kg	0.553 at (100 mg/kg)
		HPTLC profile Edysteroids		0.01-10,000 mg/kg	0.209 at (100 mg/kg)
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at(20µg/kg)
		B2		0.5 -500µg/kg	0.804 at(20µg/kg)
		G1		501- 2000µg/kg	0.429 20µg/kg)

		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)

2.10	**Boswellic acids/ Salai guggal / *Boswellia* preparations**		DOP/SOP No. 67 Dt: 14/12/2010		
		Extractive value		0.5 - 20%	0.041 at (10.27%)
		Assay, HPLC, Boswellic acid		0.01-10,000 mg/kg	0.534 at (100 mg/kg)
		Assay, HPLC, β-Boswellic acid		0.01-10,000mg/kg	0.697 at (100 mg/kg)
		Assay, HPLC, 11-keto- β- Boswellic acid		0.01-10,000mg/kg	0.849 at (100 mg/kg)
		Acetyl 11-keto- β-Boswellic acid		0.01-10,000mg/kg	0.581at (100 mg/kg)
		β- Boswellic diol		0.01-10,000mg/kg	0.536 at (100 mg/kg)
		Acetyl β- Boswellic acid		0.01-10,000mg/kg	0.894 at (100 mg/kg)
		HPTLC profile (Qualitative)		-	
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)

2.11	**Shatvarin-4/ Shatavarin SafedMusali/ *Asparagus* preparations**	Assay, HPLC,	DOP/SOP No. 68 Dt: 14/12/2010	0.01-10,000 mg/kg	0.402 at (100 mg/kg)
		HPTLC profile (qualitative)		Qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at 12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.12	**Andrographolides/*Andrographis*/ preparations**	Assay, HPLC,	DOP/SOP No. 69 Dt: 14/12/2010	0.01-10,000 mg/kg	0.223 at (100 mg/kg)
		HPTLC profile(qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at 12.25%)

		Acid insoluble ash		2-20%	0.017 at (3.50%)
		Assay, HPLC,		0.01-10,000 mg/kg	0.223 at (100 mg/kg)

2.13	**Gugglusterone / *Commiphora/* preparations**	Assay, HPLC,	DOP/SOP No. 70 Dt: 14/12/2010	0.01-10,000 mg/kg	0.402 at (100 mg/kg)
		HPTLC profile(qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
		Assay, HPLC,		0.01-10,000 mg/kg	0.402 at (100 mg/kg)
2.14	**Agnuside / negundoside / *Vitex* / preparations**	Assay, HPLC,	DOP/SOP No. 71 Dt:14/12/2010	0.01-10,000 mg/kg	0.268 at (100 mg/kg
		HPTLC profile(qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)

		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.15	**Stevioside./ rebaudoside / *Stevia*/ preparations**	Assay, HPLC,	DOP/SOP No. 72 Dt: 14/12/2010	0.01-10,000 mg/kg	0.402 at (100 mg/kg)
		HPTLC profile		0.01-99.5%	0.533603
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.16	**Acteoside / *Colebrrokia* / Herbs / Preparations**	Assay, HPLC,	DOP/SOP No. 73 Dt: 14/12/2010	0.01-10,000 mg/kg	0.357at (100 mg/kg)
		HPTLC profile(qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)

		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.17	**Butrins / *Butea*/ Preparations**	Assay, HPLC,	DOP/SOP No. 74 Dt: 14/12/2010	0.01-10,000 mg/kg	0.357 at (100 mg/kg)
		HPTLC profile(qualitative)		Qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.18	**Picrosides / *Picrorhiza* / Preparations**	Assay, HPLC,	DOP/SOPNo. 75 Dt: 14/12/2010	0.01-10,000 mg/kg	0.223 at (100 mg/kg)
		HPTLC profile		0.01-99.5%	0.760341at 100%
		HPTLC profile		0.01-99.5%	0.112252
		Heavy/Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
		Assay, HPLC,		0.01-10,000 mg/kg	0.223 at (100 mg/kg)
2.19	**Catechin :**	Assay, HPLC,	DOP/SOPNo. 76	0.01-10,000 mg/kg	0.402 at (100

	Green tea/ Accacia preprataiton		Dt: 14/12/2010		mg/kg)
		HPTLC profile		0.001-1000mg/kg	0.223 at (100 mg/kg)
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.20	**10-deacetyl baccatin-III / *Taxus* / preparations**	Assay, HPLC,	DOP/SOP No. 77 Dt: 14/12/2010	0.01-10,000 mg/kg	0.536 at (100 mg/kg)
		HPTLC profile (qualitative)		qualitative	N.A.
		Heavy/Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at(12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.21	**Bacosides / *Bacopa* / Preparations**	Assay, HPLC,	DOP/SOP No. 78 Dt: 14/12/2010	0.01-10,000 mg/kg	0.581 at (100 mg/kg)
		HPTLC profile (qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at

					(250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.22	**Carvone/ Flavonoid glycosides in Zeera / Kalazeera / herbals / preparations**	GC(Carvone)	DOP/SOP No. 79 Dt: 14/12/2010	0.01-10,000 mg/kg	0.894 at (100 mg/kg)
		HPTLC profile Flavonoids		0.01-10,000 mg/kg	0.122 at (100 mg/kg)
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
2.23	**Plumierise / *Plumieria* / Preparations**	Assay, HPLC,	DOP/SOP No. 80	0.01-10,000 mg/kg	0.402 at (100 mg/kg)
		HPTLC profile (qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)

		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006
		Acid insoluble ash		2-20%	0.0172
2.24	**Amarogentin / Amarosewrin / *Swertia* / Preparations**				
		Assay, HPLC,		0.01-10,000 mg/kg	0.357 at (100 mg/kg)
		HPTLC profile (qualitative)		qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb	DOP/SOP No. 81	0.0001-1000mg/kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
		Aflatoxins B1		0.5 -500µg/kg	0.549 at (20µg/kg)
		B2		0.5 -500µg/kg	0.804 at (20µg/kg)
		G1		501- 2000µg/kg	0.429 at (20µg/kg)
		G2		501- 2000µg/kg	0.464 at (20µg/kg)
		Total Ash		3-25%	0.006 at (12.25%)
		Acid insoluble ash		2-20%	0.017 at (3.50%)
3.	**Arka**				
3.1	**Pudina Arka**	**GC Profile:** l-Limonene menthone isomenthone menthyl acetate l- Menthol	DOP/SOP No. 12	0.5 to 70.0%	0.232 at (3.87%) 0.103 at (18.63%) 0.144 at (16.64%) 0.144 at (4.5%) 0.008 at (34.44%)
		Sp. Gravity	IS: 3752 :2005	0.7 to 1.5	0.009 at (0.95)
3.2	**Yawani arka (Ajwain Ark)**	GC Profile: γ-Terpinene p-Cymene Thymol	DOP/SOP No. 12	0.5 to 7.0% 0.5 to 20% 0.5 to 70%	0.273 at (3.17 %) 0.090 at (17.59%) 0.094 at (64.01%)
		Sp. Gravity	IS: 3752 :2005	0.7 to 1.5	0.009 at (0.95)

III	**WATER AND FOOD PRODUCTS**				
a.	**Water**				
1.	Water : Portable, domestic/ packaged/ aerated	**Metals & Other soluble residues**			

		Dissolved solids	IS:3025 (Part-15)	2 to 2000 mg/l	0.024at (248.4 mg/l)
		Residual Free Chlorine	IS:3025 (Part-26)	0.01 to 5000 mg/l	0.15 at (0.67 mg/l)
		Magnesium	IS:3025 (Part-46)	0.5 to 500 mg/l	0.020 at (10.0 mg/l)
		Conductivity	APHA: Ed.20th (1998)-2510A	0.0 to 199, 900µs	0.024 at (1413µs)
		Copper	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 300 mg/l	0.0355 at (200 mg/l)
		Iron	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 65 mg/l	0.055 at (6.0 mg/l)
		Manganese	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 50 mg/l	0.034 at (50.0 mg/l)
		Zinc	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 60 mg/l	0.025 at (50.0 mg/l)
		Aluminium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001to150 mg/l	0.652 at (50.0 mg/l)
		Selenium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 90mg/l	0.525 at (50.0 mg/l)
		Cadmium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 50mg/l	0.011 at (50.0 mg/l)
		Mercury	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 200 mg/l	0.015 at (20.0 mg/l)
		Arsenic	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 270 mg/l	0.013 at (100 mg/l)
		Lead	AOAC 2005 Method 993.14 Ch. 9 P.No. 50	0.0001 to 27 mg/l	0.004 at (100 mg/l)

			18th Ed.		
		Chromium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 21 mg/l	0.098 at (30 mg/l)
		Calcium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 800 mg/l	0.644 at (26.90 mg/l)
		Potassium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to12 mg/l	0.304 at (12.0 mg/l)
		Molybdenum	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 250mg/l	0.821 at (250 mg/l)
		Sodium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 40 mg/l	0.238 at (30 mg/l)
		Nickel	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.01-400 mg/l	0.251 at (10 mg/l)
		Phosphate	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 300 mg/l	0.0355 at (200 mg/l)
2.		**Pesticide**	**As per annexure 1**		
b.	**FOOD PRODUCTS**				
2.	Honey, herbals, fruits, vegetables, Tea, Processed food etc., soft drinks **Raw/processed food/etc.**	**Metals & Other soluble residues**			
		Copper	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 300 mg/l	0.0355 at (200 mg/l)
		Iron	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 65 mg/l	0.055 at (6.0 mg/l)
		Manganese	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 50 mg/l	0.034 at (50.0 mg/l)
		Zinc	AOAC 2005	0.0001 to 60 mg/l	0.025 at (50.0

			Method 993.14 Ch. 9 P.No. 50 18th Ed.		mg/l)
		Aluminum	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001to150 mg/l	0.652 at (50.0 mg/l)
		Selenium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 90mg/l	0.525 at (50.0 mg/l)
		Cadmium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 50mg/l	0.011 at (50.0 mg/l)
		Mercury	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 200 mg/l	0.015 at (20.0 mg/l)
		Arsenic	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 270 mg/l	0.013 at (100 mg/l)
		Lead	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 27 mg/l	0.004 at (100 mg/l)
		Chromium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 21 mg/l	0.098 at (30 mg/l)
		Calcium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 800 mg/l	0.644 at (26.90 mg/l)
		Potassium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to12 mg/l	0.304 at (12.0 mg/l)
		Molybedenium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 250mg/l	0.821 at (250 mg/l)
		Sodium	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.001 to 40 mg/l	0.238 at (30 mg/l)
		Nickel	AOAC 2005	0.01-400 mg/l	0.251 at (10

			Method 993.14 Ch. 9 P.No. 50 18th Ed.		mg/l)
		Phosphate	AOAC 2005 Method 993.14 Ch. 9 P.No. 50 18th Ed.	0.0001 to 300 mg/l	0.0355 at (200 mg/l)
2.		**Pesticide**	**As per annexure 1**		
3.		**Drugs**	**As per annexure 2**		

IV	**COSMETICS& ESSENTIAL OILS**				
1.	**Essential oils**	GC/GC-MS/ Profile with NIST/WIELY Library inputs	ISO-7359: 1980;E ISO-7609:1985;E IS-528:1989/ IS-587:1988 IS-6774:2006	Qualitative confirmations	NA
1.1	**Lavender oil Linalool Linalyl acetate**	Assay, GC, Linalool	DOP/SOP No. 92	0.01-50%	0.223 at (40.9%)
		Assay, GC, Linalyl acetate		0.01-50%	0.357 at (33.54%)
		HPTLC profile (qualitative)		Qualitative	N.A.
		Heavy /Trace metals Hg		0.001-1000 mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg /kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)
1.2	**Analysis of *Mentha* oils /Menthol in menthe oil products**	Assay, GC	DOP/SOP No. 59	0.01-99.5%	0.008 at (99.0%)
		HPTLC profile (qualitative)		-	-
		Heavy /Trace metals Hg		0.001-1000mg/kg	0.0022 at (250 mg/kg)
		Pb		0.0001-1000mg /kg	0.0011 at (250mg/kg)
		Cd,		0.0001-1000mg/kg	0.0006 at (250 mg/kg)
		As		0.0001-1000mg/kg	0.0012 at (250mg/kg)

Annexure -1

S.No.	Group of Products, materials or item tested	Specific tests or type of tests performed	Specification, standard Method or technique used	Range of testing/ Limit of detection	MU ±
Pesticides Residues					
		Fonofos	AOAC2005 (current rev., 2006) 18th ed. Official method 970.52, 10.101(2000)	0.01-100 µg/g	1.59 (at 5 µg/g)
		Mancozeb			1.17 (at 5 µg/g)
		Chlordane			2.44 (at 5 µg/g)
		2-4'-DDT			0.357(at 5 µg/g)
		Hexachlorobenzene (HCB)			0.670(at 5 µg/g)
		Coumaphos			0.894 (at 5 µg/g)
		Gamma HCH			1.028(at 5 µg/g)
		Endrin			1.94 (at 5 µg/g)
		Phosalone			0.849 (at 5 µg/g)
		Permethrin			0.850 (at 5 µg/g)
		Azinophos methyl			2.12 (at 5 µg/g)
		Dichloroves			1.229 (at 5 µg/g)
		Beta HCH			1.207 (at 5 µg/g)
		Heptachlor- exo-epoxide			2.82 (at 5 µg/g)
		4-4'-DDE			1.252(at 5 µg/g)
		Fenithrothin			1.27(at 5 µg/g)
		Maneb			1.54(at 5 µg/g)
		Dieldrin			0.831(at 5 µg/g)
		Diazinon			2.88 (at 5 µg/g)
		Alpha HCH			0.849 (at 5 µg/g)

	Aldrin			1.243 (at 5 µg/g)
	Ethion			2.03(at 5 µg/g)
	Heptachlor			1.14(at 5 µg/g)
	Pirimiphos methyl			1.05(at 5 µg/g)
	Endosulfan sulfate			0.87(at 5 µg/g)
	4-4'-DDT			0.357 (at 5 µg/g)
	Piperonyl butoxide			1.27(at 5 µg/g)
	Methidathion			1.32(at 5 µg/g)
	Malathion			0.894 (at 5 µg/g)
	Zineb			1.09 (at 5 µg/g)
	Pentachloroaniline			1.30 (at 5 µg/g)
	4-4-DDD			0.626 (at 5 µg/g)
	Propoxur			0.760 (at 5 µg/g)
	Delta HCH			0.800 (at 5 µg/g)
	Heptachlor-endo-epoxide (tran)			1.50 (at 5 µg/g)
	Endosulfan (alpha+ beta)			0.755 (at 5 µg/g)
	Fenvalerate			0.849 (at 5 µg/g)
	Bromopropylate			0.939 (at 5 µg/g)
	Qunitozene			1.332 (at 5 µg/g)
	Parathion methyl			0.997(at 5 µg/g)
	Alachlor			0.872 (at 5 µg/g)
	Chlorfenvinphos cis			1.328 (at 5 µg/g)
	Chlorfenvinphos trans			1.337(at 5 µg/g)
	Cypermethrin			0.806 (at 5 µg/g)
	Chlorpyrifos methyl			0.800 (at 5 µg/g)
	Chlorpyriphos			1.118 (at 5 µg/g)
	Others			
	Deltamethrin			0.626 (at 5 µg/g)
	Vinclozolin			1.118 (at 5 µg/g)
	Amitraz			0.581 (at 5 µg/g)

	Chlorobenzilate			(at 5 µg/g)
	Tau-fluvalinate			1.029 (at 5 µg/g)
	Carbaryl			1.073 (at 5 µg/g)
	Carbofuran			0.939 (at 5 µg/g)
	Cyfluthrin			0.983 (at 5 µg/g)
	Cyhalothrin			0.849 (at 5 µg/g)

Annexure-2

3.	**Residues of Drugs in Food and food products** Honey, herbals, fruits, vegetables, Tea, Processed food etc., soft drinks **Food:** Raw/Processed food/ etc	**Drugs**			
		Chloramphenicol			2.05 at (0.4µg/kg)
		Nitrofurans •Furazolidone [AOZ]	AOAC(2005) 18th Ed. vol.1 Ch. 5	0.1-10 µg/kg	1.296 at (1.85 µg/kg)
		•Furaltadone [AMOZ]			2.607 at (1.85 µg/kg)
		•Nitrofurantion [AHD]			6.629 at (1.85 µg/kg)
		•Nitrofurazone [SEM]			2.918 at (3.70 µg/kg)
		Sulfonamides •Sulfadimidine	AOAC (2005) 18th Ed. vol.2 Ch.5,19,23	0.7-10 µg/kg	1.853 at (5.0 µg/kg)
		•Sulfadiazine			3.774 at (5.0 µg/kg)
		•Sulfadimethoxine			1.654 at (5.0 µg/kg)
		•Sulfadoxine			1.654 at (2.5. µg/kg)
		•Sulfamerazine			3.273 at (2.5. µg/kg)
		•Sulfanilamide			1.131 at (2.5. µg/kg)
		•Sulfamethoxypyridazine			0.916 at (5.0 µg/kg)
		•Sulfamethoxazole			2.973 at (5.0 µg/kg)
		•Sulfathiazole			1.238 at (5.0 µg/kg)
		•Trimethoprim			
		Streptomycin	AOAC(2005) 18th Ed. vol.2 Ch.23, 33	1.0 -10 µg/kg	1.929 at (2.5. µg/kg)
		Tetracyclines •Tetracycline	AOAC(2005) 18th Ed. vol.2 Ch. 5, 33	0.7-10 µg/kg	2.247 at (1.8 µg/kg)
		•Oxytetracycline			2.089 at (3.7 µg/kg)
		•Chlortetracycline			1.787 at (3.7 µg/kg)
		•Doxycycline			2.029 at (3.7 µg/kg)