

NQTLD SCOPE 2016-2017

BIOTECHNOLOGY UNIT		
Products Names	Parameters	SOPs code and source of the method
water	<i>Total Viable Count</i>	NQTLD/MIC/SOP-1 ISO 6222
Horizontal	<i>Total Viable Count</i>	NQTLD/MIC/SOP-2 ISO 4833
water	<i>Total Coliforms</i>	NQTLD/MIC/SOP-4 ISO 9308-1
Horizontal	<i>Total Coliforms</i>	NQTLD/MIC/SOP-3 ISO 4832
Water	<i>E. coli</i>	NQTLD/MIC/SOP-4 ISO 9308-1
Horizontal	<i>E. coli</i>	NQTLD/MIC/SOP-8 ISO 16649-1
products with Greater water activity than 0.95	<i>Yeasts & Moulds</i>	NQTLD/MIC/SOP-5 ISO 21527-1
products with water activity Less than 0.95	<i>Yeasts & Moulds</i>	NQTLD/MIC/SOP-6 ISO 21527-2
Milk and milk Products	<i>Yeasts & Moulds</i>	NQTLD/MIC/SOP-7 ISO 661
Water	<i>Salmonella spp</i>	NQTLD/MIC/SOP-9 ISO 19250
Horizontal	<i>Salmonella spp</i>	NQTLD/MIC/SOP-10 ISO 6579
Milk products	<i>Salmonella spp</i>	NQTLD/MIC/SOP-11 ISO 6785
Horizontal	<i>Coagulase-positive staphylococci (Staphylococcus aureus and other species)</i>	NQTLD/MIC/SOP-12 ISO 6888-1
Water	<i>Intestinal enterococci/Enterococcus faecalis</i>	NQTLD/MIC/SOP-15 ISO7899
Water	<i>Pseudomonas aeruginosa</i>	NQTLD/MIC/SOP-13 ISO16266
Cosmetic	<i>Pseudomonas aeruginosa</i>	NQTLD/MIC/SOP-16 ISO22717
Horizontal	<i>Sulfite reducing anaerobes</i>	ISO 15213
Water	<i>Spores of Sulfite reducing anaerobes</i>	ISO 6461-2
Horizontal	<i>Shigella spp</i>	NQTLD/MIC/SOP-18 ISO 21567
Horizontal	<i>Vibrio parahaemolyticus</i>	NQTLD/MIC/SOP-17 21872-1
Horizontal	<i>Vibrio cholerae</i>	NQTLD/MIC/SOP-17 21872-1
Horizontal	<i>Enterobacteriaceae</i>	NQTLD/MIC/SOP-14

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		ISO 21528-2
Horizontal	<i>Listeria Monocytogenes</i> (enumeration)	NQTLD/MIC/SOP-20 part2 ISO 11290-2
Horizontal	<i>Listeria Monocytogenes</i> (detection)	NQTLD/MIC/SOP-20 part1 ISO 11290-1
Horizontal	<i>Compylobacter spp</i>	NQTLD/MIC/SOP-19 ISO
Horizontal	<i>Clostridium perfringens</i>	NQTLD/MIC/SOP-21 ISO7939
Water	<i>Clostridium perfringens</i>	NQTLD/MIC/SOP-22 ISO14189
MATERIAL TESTING UNIT		
CEMENT	Initial setting time	RS EAS 148-1
	Final setting time of cement	RS EAS 148-1
	Compressive strength of cement (including strength for 2days or 7days and 28 days strength)	RS EAS 148-1
	Lost on ignition	RS EAS 148-2:2004
	Cement soundness	RS EAS 148-1:2004
ROOFING SHEETS	Zinc coating mass and Base Metal thickness of roofing sheets	RS EAS 11
	Tensile strength of roofing sheets	RS EAS 11
	Marking of roofing of sheets	RS EAS 11 RS EAS 468 EAS 410
	Dimensional test of roofing sheets	RS EAS 11 RS EAS 468 RS EAS 410
CEMENT BLOCKS /BRICKS	Water absorption of bricks and Blocks	RS 568
	Compressive strength of Bricks and blocks	RS 568
	Dimensional test of bricks/ blocks	RS 568
PAVING BLOCKS	Water absorption of Blocks	RS 415
	Compressive strength of blocks	RS 415
	Dimensional test of paving blocks	RS 415
BURNT BRICKS	Water absorption of burnt bricks	RS 359
	Compressive strength of burnt bricks	RS 359
	Dimensional test of burnt bricks	RS 359
CRAY ROOFING TILES	Flexural strength of roofing Tiles	RS 358
	Water absorption test of roofing tiles	RS 358
	Dimensional test roofing tiles	RS 358

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CONCRETE	Compressive strength of hardened concrete cubes or cylinders	RS ISO1920-4
AGGREGATE/ SAND	Particle size distribution by sieve analysis	RS 211-1
Plastic pipes	Resistance to internal hydrostatic pressure	ISO 1167
Plastics	Tensile test	ISO and ASTM Standards
	Dimensional Test	ISO and ASTM Standards
Steel bars for reinforcing of concrete	Tensile strength/Yield strength/elongation	
	bar diameter 6mm	RS ISO 6892-1
	bar diameter 8mm	RS ISO 6892-1
	bar diameter 10mm	RS ISO 6892-1
	bar diameter 12mm	RS ISO 6892-1
	bar diameter 14mm	RS ISO 6892-1
	bar diameter 16mm	RS ISO 6892-1
	bar diameter 20mm	RS ISO 6892-1
	bar diameter 25mm	RS ISO 6892-1
	bar diameter 32mm	RS ISO 6892-1
	Dimensional test of steel bars	RS ISO 6935-1&2
	Three points Bend test of steel bars for reinforcing of concrete	
	bar diameter 6mm,8mm,10mm,12mm	RS ISO 15630-1
	bar diameter 14mm and 16mm	RS ISO 15630-1
	bar diameter 20mm and 25mm	RS ISO 15630-1
	bar diameter 32mm and above	RS ISO 15630-1
	Three points Bend test of other metallic materials	RS ISO: 7438
	Dimensional test of Metallic materials	PRODUCT RELATED
Structural steels- Hollow sections	Tensile strength	RS ISO 6892-1
	Dimensional test	ISO 4019
Steel plates and sheets	Tensile properties	PRODUCT RELATED
	Dimensional test	PRODUCT RELATED
polyethylene water tanks	Resistance to deformation	RS 128
	Tensile properties	RS 128
	Dimensional test	RS 128
Metals	Brinell Hardness of metals	RS ISO 6506-1
	Chemical composition (XRF test for up to 44 elements:Na,Mg,Al,Si,P,S,Cl,K,Ca,Sc,Ti,V	NQTL/MTL/NDT/SOP-1

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	Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Zr, Nb, Mo, Ru, Pd, Ag, Cd, Sn, Sb, Te, Cs, Ba, Hf, Ta, W, Au, Hg, Pb, Bi, Th and U)	
SOILS AND ROCKS	Chemical composition (XRF test for up to 44 elements: Na, Mg, Al, Si, P, S, Cl, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Zr, Nb, Mo, Ru, Pd, Ag, Cd, Sn, Sb, Te, Cs, Ba, Hf, Ta, W, Au, Hg, Pb, Bi, Th and U)	NQTL/MTL/NDT/SOP-1
ELECTRICAL CABLES	Marking	RS IEC 60227-1
	Chemical composition of cable conductor material	NQTL/MTL/NDT/SOP-1
	Resistance of electrical cables rolls (100m roll min.)	RS IEC 60227-2
School chalk	Chemical composition	NQTL/MTL/NDT/SOP-1
	Moisture content of powder materials	EAS 25
	Product Dimensional test	EAS 25
	Product Marking inspection	EAS 25
Wax matches	Burning quality	RS EAS 125
	Inspection of sticks	RS EAS 125
Plastics	Materials Type identification	Molecular spectroscopy
CONDOMS	Freedom from holes of condoms	RS ISO 4074
	Condom strength Bursting volume and Bursting pressure of condoms	RS ISO 4074
	Pack seal integrity of condoms	RS ISO 4074
	Condoms dimensions (width and length)	RS ISO 4074
	Thickness of condoms and Quantity of lubricant in condom container	RS ISO 4074
	Design and inspection of labeling requirements	RS ISO 4074
MATRESS	Tensile properties	RS EAS 7-1
	Tear resistance	RS EAS 7-1
	Density	RS EAS 7-1
	Dimensions	RS EAS 7-1
	Marking	RS EAS 7-1
LEATHER MATERIALS	Tensile strength of leather materials and Percentage extension of leather materials	ISO 3376
	Resistance to tearing load of leather materials	ISO 3377-1 &2
	Thickness of leather materials	RS ISO 2589
	Flex resistance of leather materials	ISO 5402

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	Apparent density	ISO 2420
PAPERS PRODUCTS AND PACKAGING PAPERS		
TOILET PAPER	Tensile strength	RS EAS 355
	Tear strength	RS EAS 355
	Tissue paper substance/grammage	RS EAS 355
	Dimensional test	RS EAS 355
	Moisture content	ISO 287
BASE PAPER FOR WAXED BREAD WRAP	Bursting strength	ISO 2758
	Tearing strength	ISO 1924
	Substance/grammage	ISO 536
PAPER SERVIETTES (NAPKINS)	Tensile strength	ISO 12625-5
	Moisture content	ISO 287
FACIAL TISSUE PAPER	grammage	ISO 12625-8
	Tensile strength	ISO 12625-6
OFFICE PAPERS	Grammage	ISO 536
	Moisture content	ISO 287
	Elmendorf Tear index	ISO 1974
	Water absorptiveness	ISO 535
PHOTOCOPY PAPER	Grammage	ISO 536
	Moisture content	ISO 287
	Thickness	ISO 534
	Elmendorf Tear index	ISO 1974
CEMENT BAGS PAPER	Grammage	ISO 536
	Moisture content	ISO 287
	Tensile strength	ISO 1924-2
	Porosity	ISO 5636
	Elmendorf Tear resistance	ISO 1974
	Water absorptiveness	ISO 535
WAXED PAPER FOR BREAD WRAP	Heavy metal content	NQTL/MTL/NDT/SOP-1
	Grammage	ISO 536
	Bursting strength	ISO 2758
SACK KRAFT PAPER	Grammage	ISO 536
	Moisture content	ISO 287
	Tensile strength	ISO 1924-3
	Water absorptiveness	ISO 535
	Tear index	ISO 1924-3
	Tensile index	ISO 1924-3
	Bursting strength	ISO 2758
PAPER BAGS	Grammage	ISO 536
	Bursting strength	ISO 2758
	Elmendorf Tearing resistance	ISO 1974
	Water absorptiveness	ISO 535

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WRAPPING PAPER	Grammage	ISO 536
	Bursting strength	ISO 2758
	Tearing resistance	ISO 1974
TEXTILE	Tensile strength	ISO 13934-1
	Tear strength	ISO 9073-4
	Specific weight(mass per unit area)	ISO 3801
	Dimensional test	ISO 22198
CHEMICAL TESTING UNIT		
FOOD AGRICULTURE AND MYCOTOXIN		
Tea and tea products	Moisture content	NQTLD/FAL/SOP-7
	Dry matter	NQTLD/FAL/SOP-7
	Total ash content	NQTLD/FAL/SOP-8
	Acid insoluble ash	NQTLD/FAL/SOP-10
	water soluble ash	NQTLD/FAL/SOP-12
	Alkalinity of water soluble ash	NQTLD/FAL/SOP-13
	Water extract	NQTLD/FAL/SOP-11
	Crude fiber	NQTLD/FAL/SOP-9
	Caffeine	HPLC method
	Moisture content	NQTLD/FAL/SOP-7
Coffee and coffee products	Moisture content	NQTLD/FAL/SOP-14
	Total ash	NQTLD/FAL/SOP-15
	Acid insoluble ash	NQTLD/FAL/SOP-16
	Alkalinity of water soluble ash	NQTLD/FAL/SOP-18
	Petroleum ether extract	NQTLD/FAL/SOP-19
	Water soluble matter	NQTLD/FAL/SOP-17
	Caffeine	HPLC method
	Ochratoxin A	NQTLD/FAL/SOP-33
Bread	Moisture Content	RS EAS 43:2012
	pH of aqueous extract	RS EAS 43:2012
	Acid insoluble ash	RS EAS 43:2012
	Crude fiber	NQTLD/FAL/SOP-9
	Fat content	NQTLD/FAL/SOP-6
	Aflatoxins (B1,B2,G1&G2,)	NQTLD/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTLD/FAL/SOP-30
Rice	Head Rice	ISO 7301:2011
	Broken Rice	ISO 7301:2011
	Damaged Rice	ISO 7301:2011
	Chalky	ISO 7301:2011
	Red or Red streaked	ISO 7301:2011
	Organic matters	ISO 7301:2011
	Inorganic matters	ISO 7301:2011
	Paddy grains	ISO 7301:2011
	Moisture content	NQTLD/FAL/SOP-2
	Live weevils	ISO 7301:2011
	Filth	ISO 7301:2011

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	Aflatoxins B1,B2,G1 and G2	NQTLD/FAL/SOP-1	
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTLD/FAL/SOP-30	
Fresh milk	Fat content	NQTLD/FAL/SOP-24	
	Total Solid	NQTLD/FAL/SOP-24	
	freezing point depression	NQTLD/FAL/SOP-24	
	Lactose	NQTLD/FAL/SOP-24	
	Protein content	NQTLD/FAL/SOP-24	
	pH	RS 38:2012	
	Solid Non Fat	NQTLD/FAL/SOP-24	
	Density	NQTLD/FAL/SOP-24	
	Acidity	NQTLD/FAL/SOP-24	
	pH variation	RS 38:2013	
	Foreign matters	RS 38:2013	
		Aflatoxin M1	NQTLD/FAL/SOP-31
	Milk powder	Fat content	GEA Niro A9a
Protein content		NQTLD/FAL/SOP-5	
Total solids		GEA Niro A1b	
Total ash		RS 45:2004	
Moisture content		GEA Niro A1b	
Insolubility index		GEA Niro A3a	
Titrateable acidity		GEA Niro A19a	
Aflatoxin M1		NQTLD/FAL/SOP-31	
Fat content		GEA Niro A9a	
Cheese		Dry matter	NQTLD/FAL/SOP-22
	Moisture content	NQTLD/FAL/SOP-22	
	Fat content	NQTLD/FAL/SOP-23	
	Protein	FT 120 – AN 96a	
	Salt	FT 120 – AN 96a	
	TS	FT 120 – AN 96a	
	Yoghurt	Protein	NQTLD/FAL/SOP-25
TS		NQTLD/FAL/SOP-25	
SNF		NQTLD/FAL/SOP-25	
Glucose		NQTLD/FAL/SOP-25	
Fructose		NQTLD/FAL/SOP-25	
Sucrose		NQTLD/FAL/SOP-25	
Lactose		NQTLD/FAL/SOP-25	
Carbohydrates		NQTLD/FAL/SOP-25	
Fat		NQTLD/FAL/SOP-25	
Lactic acid (TTA)		NQTLD/FAL/SOP-25	
Aflatoxin M1		NQTLD/FAL/SOP-31	
Cream	Fat content	FT 120 – AN 98b	
	Protein	FT 120 – AN 98b	
	TS	FT 120 – AN 98b	
	SNF	FT 120 – AN 98b	
Whey	Fat	FT 120 – AN 110a	

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	Total Solid	FT 120 – AN 110a
	Protein	FT 120 – AN 110a
Improved milk	Density	NQTLD/FAL/SOP-24
	Protein content	NQTLD/FAL/SOP-24
	Fat Content	NQTLD/FAL/SOP-24
	TS	NQTLD/FAL/SOP-24
	SNF	NQTLD/FAL/SOP-24
	Lactose	NQTLD/FAL/SOP-24
	FPD	NQTLD/FAL/SOP-24
	Acidity	NQTLD/FAL/SOP-24
	Citric Content	NQTLD/FAL/SOP-24
	FFA	NQTLD/FAL/SOP-24
	Aflatoxin M1	NQTLD/FAL/SOP-31
Juice	Glucose	NQTLD/FAL/SOP-27
	Fructose	NQTLD/FAL/SOP-27
	Sucrose	NQTLD/FAL/SOP-27
	Citric acid	NQTLD/FAL/SOP-27
	Malic acid	NQTLD/FAL/SOP-27
	Total Carbohydrates	NQTLD/FAL/SOP-27
	TS	NQTLD/FAL/SOP-27
	Soluble solids (Brix)	RS 77:2004
	pH	RS 77:2004
Fermented milk	Fat	NQTLD/FAL/SOP-25
	Protein	NQTLD/FAL/SOP-25
	TS	NQTLD/FAL/SOP-25
	Aflatoxin M1	NQTLD/FAL/SOP-31
Concentrated milk	Fat	FT 120 – AN 113a
	TS	FT 120 – AN 113a
	SNF	FT 120 – AN 113a
	Aflatoxin M1	NQTLD/FAL/SOP-31
Infant Formula	Fat	FT 120 – AN 112a
	TS	FT 120 – AN 112a
	SNF	FT 120 – AN 112a
	Aflatoxin M1	NQTLD/FAL/SOP-31
Honey	Glucose content	NQTLD/FAL/SOP-26
	Sucrose content	NQTLD/FAL/SOP-26
	Fructose content	NQTLD/FAL/SOP-26
	Citric acid	NQTLD/FAL/SOP-26
	Malic acid	NQTLD/FAL/SOP-26
	Total carbohydrates	NQTLD/FAL/SOP-26
	TS	NQTLD/FAL/SOP-26
Maize grains	Moisture content	NQTLD/FAL/SOP-2
	Foreign matter	ISO 605
	Inorganic matter	ISO 605
	Broken grains	RS 25:2004
	Rotten and Diseased grains	RS 25:2004
	Total defective grains	RS 25:2004

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	Live weevils	ISO 605
	Filth	ISO 605
	Aflatoxins B1,B2,G1 and G2	NQTLD/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTLD/FAL/SOP-30
Dry beans	Moisture content	NQTLD/FAL/SOP-2
	Foreign matter	ISO 605
	Inorganic matter	ISO 605
	Broken grains	EAS 46:2002
	Total defective grains	EAS 46:2002
	Pest defective grains	EAS 46:2002
	Other defective grains	EAS 46:2002
	Live weevils	ISO 605
	Filth	ISO 605
	Aflatoxins B1,B2,G1 and G2	NQTLD/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTLD/FAL/SOP-30
Processed cereals (Flours)	Moisture content	NQTLD/FAL/SOP-2
	Total ash	NQTLD/FAL/SOP-3
	Acid insoluble ash	NQTLD/FAL/SOP-4
	Fiber content	NQTLD/FAL/SOP-9
	Fat content	NQTLD/FAL/SOP-6
	Protein	NQTLD/FAL/SOP-5
	Granularity	RS 268:2007
	Starch	NIRS DS2500
	Total carbohydrates	RS 268:2007
	Aflatoxins B1,B2,G1 and G2	NQTLD/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTLD/FAL/SOP-30
Cassava flour and ground cassava	Moisture content	NQTLD/FAL/SOP-2
	Crude ash	NQTLD/FAL/SOP-8
	Acid insoluble ash	NQTLD/FAL/SOP-4
	Crude fiber	NQTLD/FAL/SOP-9
	Starch	NIRS DS2500
	Aflatoxins B1,B2,G1 and G2	NQTLD/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTLD/FAL/SOP-30
Animal feeds	Moisture content	NQTLD/FAL/SOP-35
	Crude ash	NQTLD/FAL/SOP-36
	Acid insoluble ash	NQTLD/FAL/SOP-4
	Crude fiber	NQTLD/FAL/SOP-9
	Crude Fat	ASN 3414

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	Crude Protein	NIRS DS2500
	Total carbohydrates	RS 268:2007
	Aflatoxins B1,B2,G1 and G2	NQTL D/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin s B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTL D/FAL/SOP-30
Biscuits	Moisture content	NQTL D/FAL/SOP-20
	Acid insoluble ash	NQTL D/FAL/SOP-21
Macademia kernels	Moisture	NQTL D/FAL/SOP-2
	Total ash	NQTL D/FAL/SOP-3
	Oil content	ASN 3307
	Shrunken and Shriveled kernels	RS 170:2012
	Mouldy kernels	RS 170:2012
	Rotten and insects damaged	RS 170:2012
	Live insects	ISO 605
	Foreign matters	ISO 605
	Aflatoxins B1,B2,G1 and G2	NQTL D/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin s B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTL D/FAL/SOP-30
Groundnuts	Moisture content	EAS 57:2000
	Damaged kernels	EAS 57:2000
	Other defects	EAS 57:2000
	Unshelled kernels	EAS 57:2000
	Total defectives kernels	EAS 57:2000
	Foreign matters	ISO 605
	Oil content	ASN 3307
	Aflatoxins B1,B2,G1 and G2	NQTL D/FAL/SOP-1
	Mycotoxins (Aflatoxins, Fumonisin s B1&B2, Ochratoxin A, Zearalenone, T2-Toxins, Patulin, and Deoxynivalenol)	NQTL D/FAL/SOP-30
Sweets	Moisture content	AOAC - 925.45
	Total ash	RS 94:2007
	Acid insoluble ash,	RS 94:2007
	Sulfated ash,	RS 94:2007
Toffu	Moisture content	NQTL D/FAL/SOP-2
	Crude fat	ASN 3136
	Crude protein	NQTL D/FAL/SOP-5
Urea	Moisture	NQTL D/FAL/SOP-28
	Nitrogen	NQTL D/FAL/SOP-5
	Ash	RS 73:2013
	pH	RS 71:2013
NPK	Moisture	NQTL D/FAL/SOP-28
	Nitrogen	NQTL D/FAL/SOP-5
	Phosphorus	KS 157:1998
	Potassium	NQTL D/ICH/SOP-16
	pH	RS 71:2013

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Calcium ammonium nitrate	Moisture	NQTLD/FAL/SOP-28
	Nitrogen	NQTLD/FAL/SOP-5
Potassium chloride/ MOP	Moisture	NQTLD/FAL/SOP-28
	Potassium	NQTLD/ICH/SOP-16
DAP/MAP	pH	RS 71:2013
	Moisture	NQTLD/FAL/SOP-28
	Nitrogen	NQTLD/FAL/SOP-5
	Phosphorus	KS 157:1998
Compost/ Organic Manure	pH	RS 71:2007
	Moisture	NQTLD/FAL/SOP-28
	Nitrogen	NQTLD/FAL/SOP-5
	Phosphorus	KS 157:1998
Chili sauce	Potassium	NQTLD/ICH/SOP-16
	Organic matters	RS 73:2013
	C/N Ratio	Conversion method
	pH	RS 71:2007
	Total solids	RS 123:2012
	Acidity as acetic acid	RS 123:2012
Pyrethrin extract	pH	RS 123:2012
	Pyrethrins	NQTLD/FAL/SOP-34
	Chili oil	Acidity as acetic acid
Chili oil	pH	RS 169:2013
	Peroxide value	RS 169:2013
	Food supplement/ foodstuff	Vitamins (Water and Fat soluble)
ORGANIC CHEMISTRY		
Alcoholic beverages	Ethyl Alcohol Content	
	Total acids	
	Volatile acids	
	Total sulphur dioxide(T-SO2)	
	pH	
	Glucose-Fluctose	
	Malic acid	
	Lactic acid	
	Citric acid	
	Tartaric acid	
	Carbon dioxide (CO2)	
	Density	
	Folin C index	
	Fructose	
	Free Sulfur dioxide(F-SO2)	
	Glycerol	
	Reducing sugar	
	Total Dissolved solids	
	pH for cloud beer	
Aldehydes as Acetaldehyde	NQTLD/OCH/SOP - 32	

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	Esters as Ethyl acetate			
	Methanol			
	1-Propanol			
	2-Propanol or Isopropanol			
	1-Botanol			
	2-Botanol			
	1-Pentanol or n-Pentanol or Amyl alcohol			
	Iso-amyl alcohol			
	Total solids	NQTLD/OCH/SOP - 06		
Skin care creams, Lotions, gel	Thermal stability	NQTLD/OCH/SOP - 16		
	pH range	RS EAS 786: 2013		
	Total fatty substance content	NQTLD/OCH/SOP - 15		
	Hydroquinone	NQTLD/OCH/SOP - 13		
Pomades and solid brilliantines	Sulphated ash	NQTLD/OCH/SOP - 18		
Hair cream	Thermal stability	NQTLD/OCH/SOP - 16		
	pH range	NQTLD/OCH/SOP - 34		
Diesel or gasoline	Cetane number	FT-IR		
	Cetane index			
	Density			
	Polycyclic aromatic hydrocarbons			
	Flash point			
	Kinematic viscosity			
	Distillation			
	Fatty acid methyl esters			
	Cetane improver			
	Aromatics			
	Distillation		ASTM D86	
	Engine oil		Viscosity index	ASTM D445-09
			Kinematic viscosity	ASTM D1298
Specific gravity/ Relative density				
API Gravity				
Gasoline	Oxygenates	FT-IR		
	Distillation	ASTM D86		
	Colour	Visual inspection		
	Appearance			
	Toluene	FT-IR		
	M - xylene			
	O - xylene			
	P - xylene			
	Ethyl benzene			
	3 - Ethyl toluene			
	4 - Ethyl toluene			
	Mesitylene			
	Pseudocumene			
	Hemellitol			
Naphtalene				

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	Oxygen	
	Olefins	
	Aromatics	
	Saturates	
	Anti - knocking index (AKI)	
	Dry vapor pressure equivalent (DVPE)	
	Methylcyclopentadienyl manganese tricarbonyl (MMT)	
	Density	ASTM D4052
Jet A1	Appearance	Visual inspection
	Aromatics	FT-IR
	Distillation	ASTM D86
	Density	ASTM D4052
	Freezing point	FT-IR
	Polycyclic aromatics hydrocarbons	
	Fatty acid methyl esters (FAMES)	
	Smoke point	
	Flash point	ASTM D93
	Distillation temperature	ASTM D86
	Kinematic viscosity	ASTM D445-09
	Freezing point	FT-IR
	Appearance	Visual inspection
	Aromatics	FT-IR
	Density	ASTM D4052
	Polycyclic aromatics hydrocarbons	FT-IR
	Fatty acid methyl esters (FAMES)	
	Smoke point	
Sanitary towels	Absorbency capacity	NQTLD/OCH/SOP - 21
	pH value	NQTLD/OCH/SOP - 23
	Moisture content of filler material	NQTLD/OCH/SOP - 22
Toilet paper	Water absorption	NQTLD/OCH/SOP - 36
	pH value, hot extract	NQTLD/OCH/SOP - 35
	Moisture content	NQTLD/OCH/SOP - 37
Scouring powder	pH of 1% solution	EAS 294:2001
	Volatile matter	
	Free alkali content	
	Alkali salts content	
	Matter insoluble in water	
Skin powder	Matter insoluble in boiling water	NQTLD/OCH/SOP - 29
	Moisture and volatile matter	NQTLD/OCH/SOP - 31
	pH of aqueous suspension	NQTLD/OCH/SOP - 30
Laundry bar soap	Total fatty matter	NQTLD/OCH/SOP - 12
	Matter insoluble in water	NQTLD/OCH/SOP - 10
	Matter insoluble in ethanol	NQTLD/OCH/SOP - 11
	Moisture and volatile matter content	NQTLD/OCH/SOP - 38

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	Total free alkali as NaOH	NQTLD/OCH/SOP - 08
	Free caustic alkali as NaOH	NQTLD/OCH/SOP - 09
Liquid detergent	Solubility in water	NQTLD/OCH/SOP - 33
	Rinsing properties	RS EAS 383: 2013
	pH at 27 degree celcius at 1% solution	NQTLD/OCH/SOP - 24
	Matter insoluble in water	NQTLD/OCH/SOP - 10
	pH value range	NQTLD/OCH/SOP - 24
Toilet soap	Total fatty matter	NQTLD/OCH/SOP - 12
	Matter insoluble in ethanol	NQTLD/OCH/SOP - 11
	Free caustic alkali as NaOH	NQTLD/OCH/SOP - 09
Liquid soap	Matter insoluble in ethanol	NQTLD/OCH/SOP - 11
	Free caustic alkali as K ₂ O	NQTLD/OCH/SOP - 09
	pH	NQTLD/OCH/SOP - 19
INORGANIC CHEMISTRY		
Water (Analysis of heavy metals by AAS)		NQTLD/ICH/SOP-15
	pH	
	Total Dissolved Solids, TDS	TDS/Conductivity meter
	Total hardness	EPA Method 310.1
	Turbidity	EPA Method 180.1
	Alkalinity	EPA Method 310.1
	Electrical Conductivity	EPA Method 120.1
	Sulfate as SO ₄ ²⁻	NQLD/ICH/SOP-14
	Free Chlorine	ISO 7393:2012
	Chloride as Cl ⁻	NQTLD/ICH/SOP-5
	Sodium as Na	NQTLD/ICH/SOP-13
	Potassium as K	
	Magnesium as Mg	
Manganese as Mn		

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	Zinc as Zn	ISO 172924:2016
	Iron as Fe	
Water (Analysis of heavy metals by AAS	Copper as Cu	
	Nickel as Ni	
	Cobalt as Co	
Analysis of heavy metals by using ICP/MS	Lead as Pb	
	Arsenic as As	
	Mercury as Hg	
	Cadmium as Cd	
	Tin as Sn	
	Thallium as Tl	
	Molybdenum as Mo	
	Aluminium as Al	
	Niobium as Nb	
	Caesium as Cs	
	Francium as Fr	
	Strontium as Sr	
	Barium as Ba	
	Radium as Ra	

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	Scandium as Sc	
	Yttrium as Y	
	Aluminium as Al	
	Rubidium as Rb	
	Titanium as Ti	
	Vanadium as V	
	Chromium as Cr	
	Gallium as Ga	
	Germanium as Ge	
	Arsenic as As	
	Zirconium as Zr	
	Thallium as Tl	
	Mercury as Hg	
	Niobium as Nb	
	Molybdenum as Mo	
	Ruthenium as Ru	
	Rhodium as Rh	
	Palladium as Pd	
	Silver as Ag	
	Gold as Au	

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	Cadmium as Cd	
	Tin as Sn	
	Antimony as Sb	
	Indium as In	
	Platinum as Pt	
	Hafnium as Hf	
	Thorium as Th	
	Bismuth as Bi	
	Tellurium as Te	
	Silicon as Si	
	Selenium as Se	
<ul style="list-style-type: none"> Digestible samples (Food beverages, Cosmetics and Environmental related matrices)_Analysis of heavy metals by AAS; 	Sodium as Na	NQTLD/ICH/SOP-12
	Potassium as K	
	Iron as Fe	
	Copper as Cu	
	Magnesium Mg	
	Manganese as Mn	
	Zinc as Zn	
	Nickel as Ni	
Cobalt Co		
Digestible samples (Food beverages, Cosmetics and Environmental related matrices)_Analysis of heavy metals by ICP - MS;		AOAC 2015.01
	Lead as Pb	
	Arsenic as As	
	Mercury as Hg	
	Cadmium as Cd	
	Tin as Sn	
	Thallium as Tl	
	Molybdenum as Mo	
	Aluminium as Al	
	Niobium as Nb	
	Caesium as Cs	
	Francium as Fr	
Strontium as Sr		

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	Radium as Ra	
	Scandium as Sc	
	Yttrium as Y	
	Aluminium as Al	
	Rubidium as Rb	
	Titanium as Ti	
	Vanadium as V	
	Chromium as Cr	
	Gallium as Ga	
	Germanium as Ge	
	Arsenic as As	
	Zirconium as Zr	
	Thallium as Tl	
	Mercury as Hg	
	Niobium as Nb	
	Molybdenum as Mo	
	Ruthenium as Ru	
	Scandium as Sc	
	Yttrium as Y	
	Aluminium as Al	
	Rubidium as Rb	
	Titanium as Ti	
	Vanadium as V	
	Chromium as Cr	
	Gallium as Ga	
	Germanium as Ge	
	Arsenic as As	
	Zirconium as Zr	
	Thallium as Tl	
	Mercury as Hg	
	Niobium as Nb	
	Molybdenum as Mo	
Honey	Moisture content	RS 164:2007
	Total ash	RS 164:2007
	Acidity	RS 164:2007
	Hydroxymethyl furfural (HMF)	RS 164:2007
	Fiehe's test	RS 164:2007
	Total Water Insoluble matter	RS 164:2007
	Relative Density	RS 164:2007
Sugar	Polarization	KS 05-58:1998
	Moisture Content	KS 05-58:1998
	Sulfur dioxide	KS 05-58:1998
	Conductivity ash	KS 05-58:1998
	Total Water Insoluble	KS 05-58:1998

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	Colour	KS 05-58:1998
Salts	Water Insoluble matter	KS 05-2029:1989
	Sulfates	KS 05-2029:1989
	Total Chloride as (NaCl)	KS 05-2029:1989
	Iodine	NQTLD/ICH/ SOP-17
	Moisture content	KS 05-2029:1989
Cooking oil	Refractive Index	KS 05-2029:1989
	Moisture and Matter volatile	KS 05-2029:1989
	Peroxide value	KS 05-2029:1989
	Saponification Value	NQTLD/ICH/ SOP-17
	Acid value	KS 05-2029:1989
	Relative Density	KS 05-2029:1989
	Iodine value	KS 05-2029:1989
	Soap content	KS 05-2029:1989
	Free fatty acid	NQTLD/ICH/ SOP-17
	Insoluble impurities	KS 05-2029:1989