



UGANDA NATIONAL BUREAU OF STANDARDS

NEW PRICE LIST FOR LABORATORY TESTING SERVICES

2017-2018

Approved by **NATIONAL STANDARDS COUNCIL**

UNBS Testing Services New Price List 2017-2018

Below is the New Price List for Laboratory Testing Services of Uganda National Bureau of Standards (UNBS) as approved by the National Standards Council (NSC).

PART A: CHEMISTRY LABORATORY

PRODUCT	TEST PARAMETERS	TEST METHOD	NEW PRICE (USHS)
Alcoholic beverages:	Gin, vodka, whisky, rum, brandy		
	Alcohol content	ISI Handbook of food Analysis	40,000
	Total acids	ISI Handbook of food Analysis	40,000
	Volatile acids	ISI Handbook of food Analysis	40,000
	Esters	ISI Handbook of food Analysis	40,000
	Aldehydes	ISI Handbook of food Analysis	40,000
	Total solids	ISI Handbook of food Analysis	40,000
	Methanol content	AOAC	65,000
	Physical examination	US 44:1999	30,000
	Marking	US EAS 38:2013	15,000
	Heavy metals: Copper	AOAC	50,000
	Heavy metals: Lead	AOAC	50,000

Beer		
Alcohol content	ISI Handbook of food Analysis	50,000
Methanol Content	AOAC	65,000
Marking	US EAS 38:2013	15,000
Heavy metals: Copper	AOAC	50,000
Heavy metals: Lead	AOAC	50,000
Neutral Spirits		
Furfural content	ISO 1388/11:1981	40,000
Alcohol content	ISI Handbook of food Analysis	40,000
Aldehydes	ISI Handbook of food Analysis	40,000
Appearance	US 211:2000	15,000
Alkalinity	ISI Handbook of food Analysis	40,000
Miscibility	ISI Handbook of food Analysis	25,000
Permanganate reaction time	ISI Handbook of food Analysis	40,000
Acidity	ISI Handbook of food Analysis	40,000
Residual solids	ISI Handbook of food Analysis	40,000
Methanol content	AOAC	65,000
Wines		
Alcohol content	ISI Handbook of food Analysis	40,000
Total acidity	ISI Handbook of food Analysis	40,000

	Total solids	ISI Handbook of food Analysis	40,000
	Volatile acids	ISI Handbook of food Analysis	40,000
	Methanol content	ISO Methods	65,000
	Marking	US EAS 38:2013	15,000
	Heavy metals: Copper	AOAC	50,000
	Heavy metals: Lead	AOAC	50,000
Animal feeds (should be specified as either chicken feed, layers, off-layers, broilers, turkey feed, pig feed or cattle feed etc)	Moisture content	US ISO 6496:1999	40,000
	Crude protein	ISO 5983:1997	65,000
	Acid insoluble ash	ISO Methods	40,000
	Total ash	ISO Methods	70,000
	Crude fibre	ISO Methods	65,000
	Sodium chloride	ISO Methods	40,000
	Crude fat	ISO Methods	65,000
	Calcium	ISO Methods	40,000
	Phosphorus	ISO Methods	40,000
Animal/vegetable fats & oils	General		
	Moisture & volatile matter	AOCS	40,000
	Acid value	ISO 660	40,000
	Peroxide value	AOCS	40,000
	Organoleptic/physical characteristics	US 168	25,000
	Vitamin A	Manual for Lab. methods for fortified foods Part II	65,000
	Heavy metal: Copper	ISO 8294 Manual for Lab. methods for	50,000

	Iron	fortified foods Part II	50,000
	Sunflower oil, groundnut oil, sesame oil, palm oil, soybean oil, corn oil, palm kernel oil, cottonseed oil etc		
	Moisture & volatile matter	AOCS	40,000
	Acid value	ISO 660:1996	40,000
	Peroxide value	AOCS	40,000
	Organoleptic/physical characteristics	Organoleptic methods	25,000
	Relative density		25,000
	Refractive index	ISO 1739	25,000
	Iodine value	ISO 3961	40,000
	Vitamin A	Manual for Lab. methods for fortified foods Part II	65,000
	Heavy metals: Copper	ISO 8294	50,000
	Iron	Manual for Lab. methods for fortified foods Part II	50,000
Baby foods & formulas	Follow-up formula		
	Vitamin C	US CODEX STAN 156:2008	65,000
	Vitamin A	Manual for Lab. methods for fortified foods Part II	65,000
	Fat content	US CODEX STAN 156:2008	100,000
	Labelling	US EAS 38:2013	15,000
	Milk based baby-food		
	Moisture content	US EAS 78:2000	40,000
	Total ash	US EAS 78:2000	70,000
	Acid insoluble ash	US EAS 78:2000	40,000
	Solubility Index	US EAS 78:2000	40,000
	Vitamin C	US EAS 78:2000	65,000
	Vitamin A	Manual for Lab. methods for fortified foods Part II	65,000

	Labelling	US EAS 38:2013	15,000
	Infant formula		
	Vitamin C	US CODEX STAN 72:2006	65,000
	Vitamin A	Manual for Lab. methods for fortified foods Part II	65,000
	Labelling	US EAS 38:2013	15,000
Baking powder	Filth, appearance & odour	US 571:2005	15,000
	Labelling		15,000
	Heavy metals: Lead	ISO 5516:1978	50,000
Biscuits	Moisture content	US 556:2006	40,000
	Acidity of extracted fat	US 556:2006	100,000
	Acid insoluble ash	US 556:2006	40,000
	General quality requirements	US 556:2006	15,000
	Labelling	US EAS 38:2013	15,000
Blankets	Wool content	ASTM Volume 07.01	65,000
	Other mixed fibres,	ASTM Volume 07.01	65,000
	Dimensions	ASTM Volume 07.01	15,000
	Grammage	ASTM Volume 07.01	40,000
Body Cream/lotion/gel (If cream/lotion/gel is for SKIN LIGHTENING, hydroquinone maybe included)	pH	US 339:2006	30,000
	Thermal stability	US 339:2006	30,000
	Appearance	US 339:2006	15,000
	Fat content	US 339:2006	100,000
	Marking	US 484:2003	15,000
	Hydroquinone	TM-CH-TLC-001	65,000
	Heavy metal: Mercury	US 339:2006	50,000
	Lead	US 339:2006	50,000

Butter	Fat content	US EAS 80-1:2006 & US EAS 80-3:2006	100,000
	Water content	US EAS 80-1:2006 & US EAS 80-3:2006	40,000
	Milk solids non-fat	US EAS 80-1:2006 & US EAS 80-3:2006	40,000
Butter oil and ghee	Fat content	ISO 3727-1 IDF 80-1:2001	100,000
	Water content	AOCS	40,000
	Fatty acids	ISO 660:1990	40,000
	Peroxide value	AOCS	40,000
	Physical examination		25,000
	Labelling	US EAS 38:2013	15,000
	Heavy metals: Copper Iron	ISO 8294:1994 Manual for Lab. methods for fortified foods Part II	50,000 50,000
Candles	Appearance & Odour	US 672:2007	30,000
	Wick length	US 672:2007	15,000
	Length	US 672:2007	15,000
	Burning quality	US 672:2007	30,000
	Wax drip	US 672:2007	30,000
	Marking	US 672:2007	15,000
Carbonated & non carbonated drinks (soft drinks), imitation drinks & Fruit Juices	Brix	US 47:1999	40,000
	Physical examination	US 47:1999	15,000
	Caffeine	SOP-CH-HPLC-03	85,000
	Sodium benzoate	SOP-CH-HPLC-03	85,000
	Labelling	US 47:1999 & US EAS 38:2013	15,000

	Heavy metals: Copper Lead Cadmium	TD-CH-TM-017 (ISO 7952:1994) ISO 5516:1978 ISO 5516:1978	50,000 50,000 50,000
Cement	Loss on ignition	ISO 680:1990	40,000
	Sulphate content	ISO 680:1990	60,000
	Acid Insoluble ash	ISO 680:1990	70,000
	Chloride content	ISO 680:1990	60,000
Cereals/Grains	Moisture content	US 98:2001	40,000
	Foreign matter	Grain inspection handbook	20,000
	Test weight (Only for Wheat grains)	Grain inspection handbook	20,000
	Broken kernels/grains	Grain inspection handbook	20,000
	Shrivelled kernels	Grain inspection handbook	20,000
	Discoloured kernels	Grain inspection handbook	20,000
	Other grains	Grain inspection handbook	20,000
	Inorganic matter/filth	Grain inspection handbook	20,000
	Defects/damaged kernels	Grain inspection handbook	20,000
Cigarettes	Moisture content	US 313:2002	40,000
	Burning quality	US 313:2002	30,000
	Total ash	US 313:2002	70,000
	Acid insoluble ash	US 313:2002	40,000
	Overall length	US 313:2002	15,000
	Rod length	US 313:2002	15,000
	Circumference	US 313:2002	15,000
	Density of tobacco blend	US 313:2002	15,000
	Loose shorts	US 313:2002	15,000
Mould & beetle attack	US 313:2002	15,000	

	packaging, marking	US 313:2002	15,000
Coffee (ground and instant)	Ground coffee		
	Water extract	EAS 105:1999	40,000
	Total ash	EAS 105:1999	70,000
	Water soluble ash	EAS 105:1999	40,000
	Alkalinity of water soluble ash	EAS 105:1999	40,000
	Moisture content	EAS 105:1999	40,000
	Acid insoluble ash	EAS 105:1999	40,000
	Labelling	US EAS 38:2013	15,000
	Instant coffee		
	Physical examination	IS 2791:1992	15,000
	Moisture content	IS 2791:1992	40,000
	Total ash	IS 2791:1992	70,000
	Labelling	US EAS 38:2013	15,000
Disinfectants (Client should specify disinfectants as either acidic, non acidic or detergent-based disinfectant)	pH value	US 653:2006	22,000
	Insoluble matter content	US 653:2006	40,000
	Rinsing properties	US 653:2006	40,000
	Physical appearance	US 653:2006	15,000
	Marking	US 653:2006	15,000
Face and body powders	General powders		
	Matter insoluble in boiling water	US 488:2003	40,000
	Residue on 75 and 150 micron sieve	US 488:2003	30,000
	Moisture content	US 488:2003	40,000
	pH	US 488:2003	30,000
	Physical appearance	US 488:2003	15,000

	Labelling	US 488:2003	15,000
	Heavy metals: Lead	US 488:2003	50,000
	Baby powder		
	Matter insoluble in boiling water	US 488:2003	40,000
	Residue on 75 and 150 micron sieve	US 488:2003	30,000
	Moisture content	US 488:2003	40,000
	pH	US 488:2003	30,000
	Physical appearance	US 488:2003	15,000
	Boric acids	US 488:2003	40,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US 488:2003	50,000
Fertilizers	Nitrogen	AOAC	65,000
	Phosphorus	AOAC	65,000
	Potassium	AOAC	50,000
	Calcium	AOAC	50,000
	Iron	AOAC	50,000
Fish and fish products	Organochlorine pesticide mix	AOAC	190,000
Flours (Soya, maize, millet, wheat/home baking flour etc)	Moisture content	US 98:2001	40,000
	Total ash	US 367/EAS 82:2001	70,000
	Acid insoluble ash	US 367/EAS 82:2001	40,000
	Fat acidity	US 354/ISO 7305:1986	40,000
	Physical examination		15,000
	Aflatoxin (total)	HPLC	220,000
Glucose syrup (liquid glucose)	General requirements	US 421:2002	15,000
	Total solids	US 421:2002	25,000

	Ash content	US 421:2002	70,000
	pH	US 421:2002	30,000
	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952:1994) ISO 5516:1978	50,000
			50,000
Hair Dye	pH	US 489:2003	30,000
	Physical requirements	US 489:2003	15,000
	Aryl di-amine content	US 489:2003	65,000
	Marking/Labelling	US 484:2003	15,000
	Heavy metals: Lead	US 489:2003	50,000
Hair lotions/creams/gels (*Including hair conditioners)	pH	US 487:2003	30,000
	Thermal stability	US 487:2003	30,000
	Rancidity	US 487:2003	30,000
	Appearance	US 487:2003	15,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US 487:2003	50,000
Hair oil	Peroxide value	US EAS 339: 2013	40,000
	Acid value	US EAS 339: 2013	40,000
	Rancidity	US EAS 339: 2013	30,000
	Appearance	US EAS 339: 2013	15,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US EAS 339: 2013	50,000
Hair relaxers and waving products	Relaxers		
	General requirements	US EAS 339: 2013	15,000
	Thermal stability	US EAS 339: 2013	30,000
	pH value	US EAS 339: 2013	30,000

	Free alkali content	US EAS 339: 2013	70,000
	Total alkali content as KOH, NaOH, LiOH, Ca(OH) ₂ , NH ₄ (OH) ₂	US EAS 339: 2013	70,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US EAS 339: 2013	50,000
	Waving products		
	General requirements	US EAS 339: 2013	15,000
	Thermal stability	US EAS 339: 2013	30,000
	pH value	US EAS 339: 2013	30,000
	Thioglycollic acids	US EAS 339: 2013	70,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US EAS 339: 2013	50,000
Hair removing creams (chemical depilatories)	pH	US 506:2003	30,000
	Calcium thioglycolate	US 506:2003	70,000
	Thermal stability	US 506:2003	30,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US 506:2003	50,000
Honey	Acidity	Harmonised methods of the international honey commission	40,000
	Moisture content	Harmonised methods of the international honey commission	40,000
	Water insoluble solids	Harmonised methods of the international honey commission	40,000

	Hydroxymethylfurfural (HMF)	Harmonised methods of the international honey commission	70,000
	Conductivity	Harmonised methods of the international honey commission	30,000
	pH	Harmonised methods of the international honey commission	30,000
Iron sheets	Zinc coating	US 664:2006	70,000
Jams & Jellies	Brix	US 31:1999	40,000
	Physical examination	US 62-1:2000	15,000
	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952:1994) ISO 5516:1978	50,000 50,000
Laundry detergents (granules and powders)	pH	US 55:1999	30,000
	Moisture and volatile matter	US 55:1999	40,000
	Matter insoluble in water	US 55:1999	40,000
	Matter insoluble in alcohol	US 55:1999	85,000
	Chlorides	US 55:1999	60,000
	Phosphates	US 55:1999	60,000
	General requirements	US 55:1999	15,000
	Marking	US 55:1999	15,000
Lime	Available (free) lime	ASTM Volume 04.01	85,000
Liquid detergent for dish washing	pH	US 54:2000	30,000
	Organic salts content	US 54:2000	40,000
	Matter insoluble in water	US 54:2000	40,000
	Physical properties	US 54:2000	15,000
	Rinsing properties	US 54:2000	40,000
	Marking	US 54:2000	15,000

Liquid detergent for skin	General requirements/ Appearance	US EAS 816-1: 2015	30,000
	pH value	US EAS 816-1: 2015	30,000
	Foaming properties	US EAS 816-1: 2015	30,000
	Marking	US EAS 816-1: 2015	15,000
Margarine	Water content	US EAS 14:2006	40,000
	Fatty matter	US EAS 14:2006	100,000
	Peroxide value	AOCS	40,000
	Salt content	Composition & analysis of foods (Pearson's)	40,000
	Free fatty acids	US EAS 14:2006	40,000
Mayonnaise	Fat content	Composition & analysis of foods (Pearson's)	100,000
	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952:1994) ISO 5516:1978	50,000 50,000
Meat/Beef	Nitrite content	ISO 2918:1975	70,000
	Antibiotics –one group	Charm II/HPLC	165,000
	Antibiotics- All 7 groups	Charm II/HPLC	630,000
Methylated spirit	Solids content	British Pharmacopeia	40,000
	Density	British Pharmacopeia	40,000
	Physical examination	British Pharmacopeia	30,000
Milk	Condensed milk		
	Milk solids non-fat	US EAS 87:2006	25,000
	Fat content	US EAS 87:2006	100,000
	Total solids	US EAS 87:2006	25,000
	Labelling	US EAS 38:2013	15,000
	Pasteurised milk		
	Fat content	AOAC	100,000
	Relative density	AOAC	40,000
Milk solids non-fat	AOAC	25,000	

	Labelling	US 484:2003	15,000
	Powdered milk		
	Moisture content	US EAS 49:2006	40,000
	Titrateable acidity	US EAS 49:2006	40,000
	Fat content	US EAS 49:2006	100,000
	Solubility index	US EAS 49:2006	40,000
	Total solids	US EAS 49:2006	25,000
	General requirements	US EAS 49:2006	15,000
	Labelling	US EAS 38:2013	15,000
	UHT milk		
	pH variation	US EAS 27:2006	40,000
	Titrateable acidity	US EAS 27:2006	40,000
	Relative density	AOAC	40,000
	Fat content	AOAC	100,000
	Milk solids non-fat	AOAC	25,000
	Labelling	US EAS 38:2013	15,000
Mosquito coils & sticks	Weight	US 694:2006	25,000
	Moisture content	US 694:2006	40,000
	Burning rate	US 694:2006	65,000
	General requirements	US 694:2006	15,000
	Packaging & marking	US 694:2006	15,000
Mosquito Net	Fibre content	ASTM	65,000
	Mesh size	ASTM	25,000
	Grammage/weight	ASTM	40,000
	Marking/Labelling	US 307:2001	15,000
Nail polish and removers	Polish		
	General requirements & packaging	US EAS 340: 2013	30,000
	Non-volatile matter	US EAS 340: 2013	40,000

	Drying time	US EAS 340: 2013	40,000
	Scratch test	US EAS 340: 2013	40,000
	Marking/labelling	US 484:2003	15,000
	Heavy metals: Lead	US EAS 340: 2013	50,000
	Polish Removers		
	General requirements	US 486-1:2003	15,000
	Non-volatile matter	US 486-1:2003	40,000
	Marking	US 484:2003	15,000
	Heavy metals: Lead	US 486-1:2003	50,000
Paints/Varnish	Emulsion paint		
	pH value	US ISO Methods	30,000
	Solids content	US ISO Methods	40,000
	Specific gravity	US ISO Methods	40,000
	Physical requirements	US ISO Methods	15,000
	Marking	US ISO Methods	15,000
	Decorative high gloss paint		
	Non-volatile matter	US ISO Methods	40,000
	Physical examination	US ISO Methods	15,000
	Marking	US ISO Methods	15,000
	Road marking & run-way paints		
	Conditions in container	US 745-1 & 2:2007	25,000
	Marking	US 745-1 & 2:2007	15,000
Papain Powder	Moisture content	US 40:2000	40,000
	General requirements	US 40:2000	15,000
	Total ash	US 40:2000	70,000
	Acid insoluble ash	US 40:2000	40,000
	pH	US 40:2000	30,000
Pasta (e.g.	General requirements	US 243:2000	15,000

spaghetti, macaroni, noodles etc)	Total ash	US 243:2000	70,000
	Acid insoluble ash	US 243:2000	40,000
	Free fatty acids	US 243:2000	40,000
	Moisture content	US 243:2000	40,000
	Cooking time	US 243:2000	15,000
	Labelling	US EAS 38:2013	15,000
Peanut butter	General requirements	US EAS 60:2006	15,000
	Moisture content	US EAS 60:2006	40,000
	Fat content	US EAS 60:2006	100,000
	Acid value	US EAS 60:2006	40,000
	Total ash	US EAS 60:2006	70,000
	Labelling	US EAS 60:2006	15,000
Pens (ball point)	Ink quantity	US 483:2003	30,000
	Design, ink quality	US 483:2003	40,000
	Corrosion resistance	US 483:2003	30,000
	Marking	US 483:2003	15,000
Petroleum jelly	For human use		
	Acidity	US 191: 2016	40,000
	Alkalinity	US 191: 2016	40,000
	Sulphated ash	US 191: 2016	70,000
	Volatile matter	US 191: 2016	40,000
	Odour, physical appearance, bleeding & solubility	US 191: 2016	30,000
	Labelling	US 484:2003	15,000
	For cosmetic industry		
	Solubility	US 191:2000	40,000
	Acidity	US 191:2000	40,000
	Alkalinity	US 191:2000	40,000
	Sulphated ash	US 191:2000	70,000
	Specific gravity	US 191:2000	40,000

	Sulphur and sulphides	US 191:2000	70,000
	Organic acids	US 191:2000	40,000
	Odour, physical appearance & bleeding	US 191:2000	30,000
Pomades and Brilliantines for hair (e.g. Hair food)	Sulphated ash	US 485:2003	70,000
	Visual appearance	US 485:2003	15,000
	Sulphur and sulphides	US 485:2003	40,000
	Rancidity	US 485:2003	30,000
	Labelling	US 484:2003	15,000
	Heavy metals: Lead	US 485:2003	50,000
Powdered icing Sugar	Loss on drying	US 365:2002	40,000
	Conductivity Ash	US 365:2002	40,000
	Colour	US 365:2002	40,000
	Impurity un-dissolved in water	US 365:2002	40,000
	Physical examination	US 365:2002	15,000
	Marking	US EAS 38:2013	15,000
	Heavy metals: Copper	TD-CH-TM-017 (ISO 7952:1994) ISO 5516:1978	50,000 50,000
	Lead		
Safety matches	Physical characteristics & performance	US 312:2001	15,000
	Ignition below 170 C°	US 312:2001	40,000
	Wearing strength	US 312:2001	15,000
	Burning quality	US 312:2001	15,000
	Damp proof-ness	US 312:2001	40,000
	Functional failures	US 312:2001	15,000
	Marking	US 312:2001	15,000
Salt	Iodine	US 203:2006	70,000
	Moisture content	US EAS 35:2012	40,000
	Water insoluble matter	US EAS 35:2012	40,000

	Acid insoluble matter	US EAS 35:2012	40,000
Sanitary pads (Not gel-type and Gel-type)	Absorbency capacity	US 391-1:2007	60,000
	Water extract	US 391-1:2007	40,000
	Moisture content	US 391-1:2007	40,000
	pH	US 391-1:2007	30,000
	General requirements	US 391-1:2007	15,000
	Requirements for materials	US 391-1:2007	15,000
	Workmanship and finish	US 391-1:2007	40,000
	Marking	US 391-1:2007	15,000
School chalk	Moisture content	US EAS 25:2000	40,000
	Number of sticks	US EAS 25:2000	15,000
	Calcium sulphate content	US EAS 25:2000	70,000
	Marking	US EAS 25:2000	15,000
Scouring powder	Matter volatile	US 326:2001	40,000
	pH value	US 326:2001	30,000
	Alkali salts content	US 326:2001	40,000
	Appearance & physical examination	US 326:2001	15,000
	Fineness	US 326:2001	40,000
	Marking	US 326:2001	15,000
Shampoo for hair (client should specify whether shampoo is soap-based or detergent-based shampoo)	Detergent-based shampoo		
	pH value	US 1624-1:2015	30,000
	Matter insoluble in ethanol	US 1624-1:2015	40,000
	General requirements	US 1624-1:2015	15,000
	Marking	US 484:2003	15,000
	Soap-based shampoo		
	pH	US 1624-1:2015	30,000
	Lather volume	US 1624-1:2015	15,000
	Matter insoluble in ethanol	US 1624-1:2015	40,000

	Fatty matter	US 1624-1:2015	100,000
	Free caustic alkali	US 1624-1:2015	40,000
	General requirements	US 1624-1:2015	15,000
	Marking	US 484:2003	15,000
Shea Butter	Moisture content	AOCS	40,000
	Free fatty acids	ISO 660:1996	40,000
	Peroxide value	AOCS	40,000
	Insoluble impurities	ISO 663:1999	40,000
	General requirements		15,000
	Heavy metals: Copper Iron	ISO 8294 Manual for Lab. methods for fortified foods Part II	50,000 50,000
Shoe Polish	Physical requirements	US 573:2006	15,000
	Appearance	US 573:2006	15,000
	Grit	US 573:2006	30,000
	Stability	US 573:2006	40,000
	Packaging	US 573:2006	15,000
	Non-volatile matter	US 573:2006	40,000
	Ash content	US 573:2006	70,000
	Marking	US 573:2006	15,000
Soaps	Antibacterial toilet soap		
	Total fatty matter	US 73:1999	100,000
	Free caustic alkali as NaOH	US 78:1999	70,000
	Total alkalinity as Na ₂ CO ₃	US 78:1999	70,000
	Matter insoluble in ethanol	US 76:1999	85,000
	Toilet soap		
	Total alkali content	US 67:1999	70,000
	Free caustic alkali as NaOH	US 78:1999	70,000
	Total fatty matter	US 73:1999	100,000

	Matter insoluble in alcohol	US 76:1999	85,000
	Chlorides content	US 75:1999	60,000
	Baby soap		
	Total fatty matter	US 73:1999	100,000
	Matter insoluble in ethanol	US 76:1999	85,000
	Chloride content as NaCl	US 75:1999	60,000
	Laundry soap		
	Total fatty matter	US 73:1999	100,000
	Matter insoluble in alcohol	US 76:1999	85,000
	Free alkali content as NaOH	US 78:1999	70,000
	Chloride content	US 75:1999	60,000
	Stability	US 53:2005	40,000
	Appearance & texture	US 53:2005	15,000
	Herbal soap		
	Total fatty matter	US 73:1999	100,000
	Free caustic alkali as NaOH	US 78:1999	70,000
	Total alkalinity as Na ₂ CO ₃	US 78:1999	70,000
	Matter insoluble in ethanol	US 76:1999	85,000
Sodium hypochlorite solution	Sodium hydroxide	US EAS 295:2002	40,000
	Available chlorine	US EAS 295:2002	60,000
	pH value	US EAS 295:2002	22,000
	Appearance	US 327:2001	15,000
	Marking	US 327:2001	15,000
Spices and condiments	Moisture content	ASTA Analytical methods	40,000
	Acid-insoluble ash	ASTA Analytical methods	40,000
	Total ash	ASTA Analytical methods	70,000
	Extraneous matter	Visual examination	15,000
	Sodium chloride	ISO 2253:1999	40,000

	Labelling	US EAS 38:2013	15,000
Sugar (Raw, refined and plantation (mill) white sugar)	Loss on drying	US EAS 16:2009	40,000
	Conductivity Ash	US EAS 16:2009	40,000
	Colour	US EAS 16:2009	40,000
	Physical examination	US EAS 16:2009	15,000
	Insoluble matter	AOAC	40,000
	Labelling	US EAS 38:2013	15,000
	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952) ISO 5516:1978	50,000 50,000
Sweets, toffee and chewing/bubble gums	Sweets & toffees		
	Physical analysis	US 413, US 419, US 420	15,000
	Stickiness	US 413, US 419, US 420	15,000
	Moisture content	AOAC	40,000
	Sulphated ash	Composition & analysis of foods (Pearson's)	70,000
	Acid insoluble ash	Composition & analysis of foods (Pearson's)	40,000
	Labelling	US EAS 38:2013	15,000
	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952) ISO 5516:1978	50,000 50,000
	Chewing/bubble gums		
	Gum base	US 419:2002	50,000
	Moisture content	AOAC	40,000
	Sulphated ash	Composition & analysis of foods (Pearson's)	70,000
	Acid insoluble ash	Composition & analysis of foods (Pearson's)	40,000

	Labelling	US EAS 38:2013	15,000
	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952) ISO 5516	50,000 50,000
Tea	Black tea		
	Water extract	US 292:2002	40,000
	Total ash	US 292:2002	70,000
	Water soluble ash	US 292:2002	40,000
	Alkalinity of water soluble ash	US 292:2002	40,000
	Moisture content	US 292:2002	40,000
	Acid insoluble ash	US 292:2002	40,000
	Physical examination	US 292:2002	15,000
	Labelling	US EAS 38:2013	15,000
	Instant tea		
	Total ash	US ISO 6079:1990	70,000
	Moisture content	US 34:1993	40,000
	Labelling	US EAS 38:2013	15,000
Textile Material	Fibre content	ASTM Methods	70,000
	Grammage	ASTM Methods	40,000
Toilet Papers	PH value	ISO 3071:2005	30,000
Tomatoes Sauce/ketchup	Physical examination	US 38:1995 & US 39:1999	15,000
	Total solids	Composition & analysis of foods (Pearson's)	40,000
	Ash	Composition & analysis of foods (Pearson's)	70,000
	Salt content	Composition & analysis of foods (Pearson's)	40,000
	Total acidity	Composition & analysis of foods (Pearson's)	40,000
	Labelling	US EAS 38:2013	15,000

	Heavy metals: Copper Lead	TD-CH-TM-017 (ISO 7952) ISO 5516	50,000 50,000
Tooth Paste	Stability	US 189:2000	40,000
	pH	US 189:2000	30,000
	Extrusion	US 189:2000	40,000
	Fineness	US 189:2000	30,000
	General requirements	US 189:2000	30,000
	Marking		15,000
	Heavy metals: Lead	US 189:2000	50,000
Vanilla	Moisture content	US 37:1993	40,000
	Vanillin	US 37:1993	70,000
Vinegar	From Natural sources		
	pH	US 212-1:2000	30,000
	Residual alcohol	ISI Handbook of food Analysis	40,000
	Ash	Composition & analysis of foods (Pearson's)	70,000
	Total acid content	Composition & analysis of foods (Pearson's)	40,000
	Solids content	Composition & analysis of foods (Pearson's)	40,000
	Heavy metals: Copper Lead	AOAC AOAC	50,000 50,000
	From Artificial sources		
	Total solids content	Composition & analysis of foods (Pearson's)	40,000
	Total acidity	Composition & analysis of foods (Pearson's)	40,000
	Density	Composition & analysis of foods (Pearson's)	40,000

	Heavy metals: Copper Lead	AOAC AOAC	50,000 50,000
Water	Drinking (potable)		
	Odour	AWWA/APHA 2150A	15,000
	Turbidity	AWWA/APHA 2130B	25,000
	Dissolved solids	AWWA/APHA 2540C	25,000
	pH	AWWA/APHA 4500-H ⁺ B/AOAC	22,000
	Total hardness	AWWA/APHA 2340C	40,000
	Calcium	AWWA/APHA 3500-Ca	25,000
	Sodium	AWWA/APHA 3500-Na B	25,000
	Magnesium	AWWA/APHA 2340B	25,000
	Nitrates	AWWA/APHA 4500 NO ₃ ⁻ B	40,000
	Chlorides	AWWA/APHA 4500-Cl	40,000
	Potassium	AWWA/APHA 3500-K B	25,000
	Sulphates	AWWA/APHA 4500	40,000
	Phosphates	AWWA/APHA 4500-P	40,000
	Total solids	AWWA/APHA 2540B	40,000
	Conductivity	AWWA/APHA 2510A	40,000
	Physical requirements	US 201:1994	15,000
	Heavy metals:		
	Mercury	TM-CH-AAS-003 (Hg)	50,000**
	Lead	AWWA/APHA Pb, B	50,000
	Copper	AWWA/APHA 3500-Cu	50,000
	Chromium	AWWA/APHA 3500-Cr, B	50,000
Nickel	AWWA/APHA 3500-Ni/	50,000	
Cadmium	AWWA/APHA 3500-Cd,	50,000	
Iron	AWWA/APHA 3500-Fe, D	50,000	
Bottled/packaged natural mineral water			
Odour	AWWA/APHA 2150A	15,000	

Turbidity	AWWA/APHA 2130B	25,000
Calcium	AWWA/APHA 3500-Ca	25,000
Magnesium	AWWA/APHA 2340B	25,000
Chlorides	AWWA/APHA 4500-Cl	40,000
Nitrates	AWWA/APHA 4500 NO ₃ ⁻ B	40,000
Potassium	AWWA/APHA 3500-K B	25,000
Phosphates	AWWA/APHA 4500-P	40,000
Sodium	AWWA/APHA 3500-Na B	40,000
Sulphates	AWWA/APHA 4500	50,000
Total dissolved solids	AWWA/APHA	25,000
Total solids	AWWA/APHA 2540B	25,000
pH	AWWA/APHA 4500-H ⁺ B	22,000
Conductivity	AWWA/APHA 2510A	25,000
Total hardness	AWWA/APHA 2340C	40,000
Physical requirements	US 43:1999	15,000
Nitrites	AWWA/APHA -NO ₂ -B	40,000
Aluminium		50,000
Colour		25,000
Fluorides		50,000
Arsenic		50,000
Manganese		50,000
Zinc	AWWA/APHA 3500	50,000
Antimony	AWWA/APHA 3500	50,000
Free chlorine	AWWA/APHA 4500- ClG	25,000
Heavy metals:		
Mercury	TM-CH-AAS-003 (Hg)	50,000
Lead	AWWA/APHA Pb, B	50,000
Copper	AWWA/APHA 3500-Cu	50,000
Chromium	AWWA/APHA 3500-Cr, B	50,000

Nickel	AWWA/APHA 3500-Ni/	50,000
Cadmium	AWWA/APHA 3500-Cd,	50,000
Iron	AWWA/APHA 3500-Fe, D	50,000
Bottled/packageged other than natural mineral water		
Odour	AWWA/APHA 2150A	15,000
Turbidity	AWWA/APHA 2130B	25,000
Calcium	AWWA/APHA 3500-Ca	25,000
Chlorides	AWWA/APHA 4500-Cl	40,000
Magnesium	AWWA/APHA 2340B	25,000
Nitrates	AWWA/APHA 4500 NO ₃ ⁻ B	40,000
Potassium	AWWA/APHA 3500-K B	25,000
Phosphates	AWWA/APHA 4500-P	40,000
Sodium	AWWA/APHA 3500-Na B	40,000
Sulphates	AWWA/APHA 4500	40,000
Total dissolved solids	AWWA/APHA	25,000
Total solids	AWWA/APHA 2540B	25,000
pH	AWWA/APHA 4500-H ⁺ B	25,000
Conductivity	AWWA/APHA 2510A	25,000
Total hardness	AWWA/APHA 2340C	40,000
Physical requirements	US 42:1999	15,000
Heavy metals:		
Mercury	TM-CH-AAS-003 (Hg)	50,000
Lead	AWWA/APHA Pb, B	50,000
Copper	AWWA/APHA 3500-Cu	50,000
Chromium	AWWA/APHA 3500-Cr, B	50,000
Nickel	AWWA/APHA 3500-Ni/	50,000
Cadmium	AWWA/APHA 3500-Cd,	50,000
Iron	AWWA/APHA 3500-Fe, D	50,000
Distilled water		
Physical requirements		15,000
Odour	AWWA/APHA 2150A	15,000

	Turbidity	AWWA/APHA 2130B	25,000
	Total solids/Non-volatile residue	AWWA/APHA 2540B	25,000
	pH	AWWA/APHA 4500-H ⁺ B	22,000
	Chlorides	AWWA/APHA 4500-Cl	40,000
	Calcium	AWWA/APHA 3500-Ca	25,000
	Magnesium	AWWA/APHA 2340B	25,000
	Conductivity	AWWA/APHA 2510A	22,000
	Total hardness	AWWA/APHA 2340C	40,000
	Total dissolved solids	AWWA/APHA	25,000
	Potassium	AWWA/APHA 3500-K B	25,000
	Phosphates	AWWA/APHA 4500-P	40,000
	Sodium	AWWA/APHA 3500-Na B	25,000
	Sulphates	AWWA/APHA 4500	40,000
	Nitrates	AWWA/APHA 4500 NO ₃ ⁻ B	40,000
	Heavy metals:		
	Mercury	TM-CH-AAS-003 (Hg)	50,000
	Lead	AWWA/APHA Pb, B	50,000
	Copper	AWWA/APHA 3500-Cu	50,000
	Chromium	AWWA/APHA 3500-Cr, B	50,000
	Nickel	AWWA/APHA 3500-Ni/	50,000
	Cadmium	AWWA/APHA 3500-Cd,	50,000
	Iron	AWWA/APHA 3500-Fe, D	50,000
Yoghurt	Fat content	AOAC	100,000
	Total solids	AOAC	25,000
	Milk solids non-fat	AOAC	25,000
GENERAL PARAMETERS - HEAVY METALS	Lead	AOAC	50,000
	COPPER	AOAC	50,000
	ARSENIC	AOAC	50,000
	MERCURY	AOAC	50,000
	CADMIUM	AOAC	50,000

	CHROMIUM	AOAC	50,000
	MANGANESE	AOAC	50,000
	IRON	AOAC	50,000
	Selenium	AOAC	50,000
	Antimony	AOAC	50,000
	NICKEL	AOAC	50,000
	ZINC	AOAC	50,000

Part B: MICROBIOLOGY DIVISION

PRODUCT	TEST PARAMETERS	TEST METHODS	NEW PRICES (UShs)
Water	1. Total plate count (TPC)	ISO 4833:2003 ISO 6222:1999 (water)	45,000
	2. Enumeration of total coliforms and presumptive E.coli by Most Probable Number method (TC/E.coli (MPN))	ISO 4831:2006 (TC) ISO 7251 (E. coli)	55,000
	3. Detection of salmonella (Salmonella)	AOAC	70,000
	4. Enumeration of yeast and moulds (Y&M)	ISO 6611:2004 (milk & milk products)	50,000
	5. Enumeration of <i>Staphylococcus aureus</i> (Staph)	ISO 6888- 1:1999	60,000
	6. <i>Pseudomonas aeruginosa</i> (Pseudo.)		60,000
	7. <i>Faecal Streptococcus</i>		60,000
	8. Enumeration of total coliforms and presumptive E.coli by Membrane filtration method (TC/E.coli (MF))	ISO 9308-1:2000	65,000
	9. Detection of <i>Vibrio cholerae</i> (Vibrio)	ISO/TS 21872-1:2007	70,000
	10. Detection of <i>Listeria</i> (Listeria)		70,000
	11. Enumeration of Enterobacteriaceae (Enterobacter)		55,000
	12. Psychrotrophic bacterial count		45,000

	OTHER PRODUCTS		
Avocado powder	TPC,		55,000
	TC/E coli,		55,000
	Staphylococcus aureus		60,000
	Y&M		50,000
Canned foods	Commercial sterility Other: parameters stated below depending on nature of food		50,000
Cereal & cereal products			
Baked goods (with eggs) e.g. cakes, cream biscuits, etc	TPC		55,000
	TC/E. coli		55,000
	Salmonella		70,000
	Y&M		50,000
Baked goods (without eggs) e.g. biscuits, bread, breakfast cereals etc	TPC,		55,000
	TC/E.coli,		55,000
	Y&M		50,000
Flour (maize, millet, wheat, soy, composite)	TPC,		55,000
	TC/E.coli,		55,000
	Salmonella,		70,000
	Y&M		50,000
	Enterobactereacea		55,000
Animal feeds	TC/E,coli	US ISO 4831:2006	55,000
Pasta products & noodles	TPC		55,000
	TC/E coli		55,000
	Salmonella		70,000
	Y&M		50,000
	Staphylococcus aureus		60,000
Rice	TPC		55,000
	TC/E.coli		55,000

	Salmonella		70,000
	Y&M		50,000
Chilli sauce	Y&M		50,000
Dried fruits	TPC		55,000
	TC/E coli		55,000
	Staph		60,000
	Y&M		50,000
Fish & fishery products			
Fresh/chilled/frozen Fish pieces (fillets, whole, etc)	TPC		55,000
	TC/E.coli		55,000
	Staph		60,000
	Salmonella		70,000
	Vibrio cholerae		70,000
	Enterobactereacea		55,000
Swabs	TPC		55,000
	TC/E.coli		55,000
	Salmonella		70,000
	Staph		60,000
Water/ice	TPC		55,000
	TC/E.coli		55,000
	Vibrio cholerae		70,000
	Salmonella		70,000
Hair & body lotions/gels/creams/powders	TPC		55,000
Honey	Y&M		50,000
Icing sugar	TPC		55,000
	TC/E.coli		55,000
	Salmonella		70,000
	Y&M		50,000
Infant foods	TPC		55,000

	TC/E.coli			55,000
	Salmonella			70,000
Jams & jellies	TPC			55,000
	TC/E.coli			55,000
	Salmonella			70,000
Liquid beverages (sodas, juices, wines, etc)	TPC			55,000
	TC/E.coli			55,000
	Y&M			50,000
Liquid glucose	TPC			55,000
	Y&M			50,000
Mango chutney	TPC			55,000
	TC/E. coli			55,000
	Salmonella			70,000
	Y&M			50,000
Marmalades	Y&M			50,000
	Milk & milk products			
Butter/ghee	TPC			55,000
	TC/E coli			55,000
	Salmonella			70,000
	Y&M			50,000
	Staph			60,000
Cheese	TC/E. coli			55,000
	Salmonella			70,000
	Psycrotrophic bacterial count			50,000
Condensed milk	TPC			55,000
	TC/E coli			55,000
	Staph			60,000
	Y&M			50,000
Dry milk powder	TPC			55,000
	TC/E coli			55,000
	Salmonella			70,000
	Y&M			50,000

	Staph		60,000
	Listeria		70,000
Ice cream	TPC		55,000
	TC/E coli		55,000
	Salmonella		70,000
	Y&M		50,000
	Staph.		60,000
	Listeria		70,000
Pasteurised milk	TPC		55,000
	TC/E.coli		55,000
UHT milk	TPC		55,000
	TC/E.coli		55,000
	Staph		60,000
Yoghurt	TC/E.coli		55,000
	Y&M		55,000
	salmonella		70,000
	Staph		60,000
Papain powder	TPC		55,000
	TC/E.coli		55,000
	Salmonella		70,000
	Y&M		50,000
Peanut butter	TC/E.coli,		55,000
	Y&M		50,000
Potato crisps	TPC		55,000
	TC/E.coli		55,000
	Y&M		50,000
Roasted groundnuts	TC/E.coli		55,000
	Y&M		50,000
	Salmonella		70,000
Sanitary towels	TPC		55,000
	TC/E.coli		55,000
	Staph		60,000

Sausages	TPC		55,000
	TC/E.coli		55,000
	Staph		60,000
	Salmonella		70,000
Shea butter	TPC		55,000
	TC/E.coli		55,000
	Salmonella		70,000
	Y&M		50,000
Spices & condiments	TPC,		55,000
	TC/E.coli,		55,000
	Y&M		50,000
Sugar	TPC,		55,000
	Y&M		50,000
Sweets, chewing gums & toffees	TC/E.coli,		55,000
	Staph,		60,000
	Salmonella		70,000
Toilet paper	TPC		55,000
	Tomato products		
Tomato concentrate	TPC		55,000
	TC/E.coli		55,000
	Y&M		60,000
Tomato juice	TPC		55,000
	TC/E.coli		55,000
	Salmonella		70,000
	Y&M		50,000
Tomato paste	TPC		55,000
	TC/E.coli		55,000
	Y&M		50,000
	Commercial sterility (canned)		50,000
Tomato sauce/ketchup	TPC		55,000
	TC/E.coli		55,000
	Salmonella		70,000

	Y&M			50,000
Tooth paste	TPC,			55,000
	TC/E.coli,			55,000
	Salmonella			70,000
Water (Drinking) and edible ice	TPC,			55,000
	TC/E.coli			55,000

Note:

Samples attract a laboratory fee of **US\$10,000**

Sample Handling Procedures

1. Sample size

The laboratory should receive at least 200g (minimum) of each sample to be analysed. Of the total sample received 10g or 25 g shall be selected (depending on the test method requirements) for each test.

2. Sample storage and delivery

The sample receptionist should deliver samples to the laboratory as soon as possible, and certainly within 24 hour of receipt. Any samples sent to the laboratory after 36 hours of collection will not reflect a true picture of the microbiological quality of a food, and will not be valid for analysis.

Fresh perishable products (e.g. raw fish, meat, milk, etc) should be received in sealed containers and under chilled/frozen conditions. These samples should be stored under chilled/frozen conditions if they cannot be delivered to the laboratory immediately. Any sample that has obvious defects (e.g. unsealed/torn packaging) should be rejected.

Part C: ENGINEERING MATERIALS DIVISION

PRODUCT	TEST PARAMETERS	NEW PRICES (UShs)
Building lime	Available lime (as CaO)	40,000
	Soundness	20,000
	Fineness	20,000
	Loss on ignition	40,000
	Total	
Burnt clay bricks	Dimensions	20,000
	Compressive strength	50,000
	Water absorption	30,000
	Efflorescence	20,000
	Warpage	20,000
	Total	
Cement	Standard consistency	20,000
	Setting time	20,000
	Soundness	20,000
	Density	20,000
	Fineness	20,000
	Compressive Strength	80,000
	Weight	20,000
	Loss on ignition	40,000
	Insoluble residue	70,000
	Sulphate content	60,000
	Chloride content	60,000
	Total	430,000
Concrete & clay roofing tiles	Dimensional test	20,000
	Transverse strength	50,000

	Water absorption		30,000
	Permeability test		30,000
	Total		
Concrete blocks	Dimensional test		20,000
	Compressive strength		50,000
	Water absorption		30,000
	Total		
Concrete cubes	Dimensional test		20,000
	Compressive strength		50,000
	Dimensions		20,000
	Total		
Desks (wooden)	Dimensions		20,000
	Strength		100,000
	Strength of joints		50,000
	Moisture		30,000
	Impact test		30,000
	Total		
Door locks, latches & padlocks	Dimensional tests		20,000
	Corrosion resistance		30,000
	Performance test		80,000
	Strength		80,000
	Total		
Galvanised plain/corrugated iron sheets	Dimensions/profile		20,000
	Zinc coating		70,000
	Tensile strength (optional)		80,000
	Gauge		20,000
	Total		
Garden hoe	Dimensional test		20,000
	Mass		20,000
	Blade strength		40,000

	Hardness test		80,000
	Carbon		30,000
	Manganese		30,000
	Phosphorous		30,000
	Silicon		30,000
	Total		
Hollow sections & angles	Dimensions		20,000
	Tensile strength		80,000
	Bend test		20,000
	Flattening		30,000
	Carbon		30,000
	Manganese		30,000
	Phosphorous		30,000
	Silicon		30,000
	Total		
Hurricane lanterns	Dimensional tests		20,000
	Capacity		15,000
	Performance safety tests		50,000
	Stability		15,000
	Total		100,000
Lime for soil stabilisation	Available lime (as CaO)		40,000
	Soundness		20,000
	Fineness		20,000
	Total		
Machetes (Pangas)	Dimensional test		20,000
	Tensile strength		80,000
	Hardness test		80,000
	Bend test		20,000
	Carbon		30,000
	Manganese		30,000

	Phosphorous		30,000
	Silicon		30,000
	Total		
Mattresses (foam, spring)	Dimensional test		20,000
	Density		20,000
	Cover cloth analysis		60,000
	Tensile strength		80,000
	Marking		15,000
	Total		
Nails	Dimensional tests		20,000
	Carbon		30,000
	Manganese		30,000
	Silicon		30,000
	Phosphorus		30,000
	Total		
Plastic chairs	Dimensional tests		20,000
	Back static load tests		60,000
	Seat static load test		60,000
	Arm side-ways static load test		40,000
	Leg forward test		60,000
	Forward static load tests		60,000
	Stability		40,000
	Total		
Plastic tanks	Dimensions		20,000
	Capacity		100,000
	Strength		80,000
	Impact test		40,000
	Total		
Polyethylene material	Thickness		20,000
	Grammage		20,000

	Density		20,000
	Total		
Pre-cast concrete paving blocks	Dimensional tests		20,000
	Compression strength		50,000
	Total		
Safety seat belts	Visual inspection		20,000
	Tensile load		80,000
	Shrinkage test		50,000
	Elongation		50,000
	Corrosion resistance		30,000
	Marking		20,000
	Total		
Sand and aggregates	Grading		40,000
	Flakiness index		30,000
	Moisture content		30,000
	Total		
Shoes (men's & ladies)	Total		
	Adhesive		20,000
	Bend test		5,000
	Carbon		20,000
	construction		10,000
	Dimensions		5,000
	Edge finishing		20,000
	Edge finishing		20,000
	Flattening		10,000
	freedom from smell		10,000
	Hardness test		20,000
	inner sole		20,000
	inner sole		10,000

	Manganese		20,000
	Markings		30,000
	outer sole (thickness mm)		20,000
	outer sole (thickness mm)		20,000
	Phosphorous		20,000
	Resistance to wet rubbing of inner sole		20,000
	seams		20,000
	Silicon		20,000
	straps		20,000
	Tensile strength		70,000
	thickness (mm)		10,000
	upper cleaning and publishing		20,000
	upper leather		20,000
	vamp lining		10,000
	workmanship and finish		20,000
	TOTAL		510,000
Spades	Dimensions		20,000
	Tensile strength		80,000
	Hardness test		80,000
	Bend test		30,000
	Flattening		30,000
	Carbon		30,000
	Manganese		30,000
	Phosphorous		30,000
	Silicon		30,000
	Total		
Steel coils	Dimensions		20,000

	Tensile strength		90,000
	Gauge		20,000
	Total		
Steel for water & gas (suitable for screwing)	Dimensional test		20,000
	Tensile strength		80,000
	Hydraulic (leak test)		40,000
	Flattening test		30,000
	Carbon		30,000
	Manganese		30,000
	Phosphorous		30,000
	Sulphur		30,000
	Total		
Steel reinforcement bars	Dimensional test		20,000
	Weight/meter run		20,000
	Tensile strength		80,000
	Bend test		30,000
	Carbon		30,000
	Manganese		30,000
	Sulphur		30,000
	Phosphorus		30,000
	Total		270,000
Sufurias & saucepans (aluminium cooking utensils)	Dimensional tests		50,000
	Dimensions		20,000
	Capacity		100,000
	Total		
Tarpaulin	Dimensions		20,000
	Density		20,000
	Grammage		20,000
	Tensile strength		100,000
	Total		

Tiles (ceramic, floor, granite)	Dimensional tests		20,000
	Transverse strength		80,000
	Water absorption		30,000
	Permeability tests		30,000
	Moisture content		30,000
	Total		
Timber	Dimensions		20,000
	Moisture content		30,000
	Compressive strength		80,000
	Transverse strength		80,000
	Shrinkage		20,000
	Colour fading		20,000
	Resistance to scratches		20,000
	Total		
Toilet paper	Dimensional tests		20,000
	Grammage		20,000
	Substance		20,000
	Total plate count		55,000
	pH		30,000
	Water absorption		30,000
	Marking		15,000
	Total		
uPVC & HDPE pipes for water supply	Dimensional tests		20,000
	Hydrostatic pressure test		80,000
	Impact test		40,000
	Heat reversion test		50,000
	Resistance test (acetone, methyl chloride & sulphuric acid)		50,000
	Opacity		30,000
	Marking		15,000

	Total		
Wheel barrow	Dimensional test		20,000
	Capacity test		40,000
	Lifting force		40,000
	Total		
Window stays, fasteners & handles	Dimensional test		20,000
	Bend test		30,000
	Fasteners handle test		30,000
	Wind simulation test		50,000
	Corrosion test		30,000
	Total		
Zinc coated fencing wire	Dimensional test		20,000
	Tensile strength		60,000
	Mass of zinc coating		70,000
	Adhesion of zinc coating		20,000
	Ductility test		30,000
	Breaking strength		30,000
	Total		230,000

Note:
Sample submittal
attracts a laboratory fee
of **USh.10,000**

PART D: ELECTRICAL TESTING DIVISION

PRODUCT	TEST PARAMETERS	NEW prices (USh)
DVD/VCD Players	Marking	15,000
	Switching mechanisms	20,000
	Performance tests	50,000
	Electric shock hazard test	30,000
	Protection against electric shock	30,000
	Heating under normal operating conditions	20,000
	Total	165,000
Electric cables (multi-core)	Marking	15,000
	Cable Dimensions (size).	30,000
	Conductor Resistance	40,000
	Nature of conductor	20,000
	Insulating materials thickness	20,000
	Voltage tests	50,000
	Insulation resistance	40,000
	Total	215,000
Electric cables (single core)	Marking	15,000
	Cable Dimensions (size).	30,000
	Conductor Resistance	40,000
	Nature of conductor	20,000
	Insulating materials thickness	20,000
	Voltage tests	50,000
	Insulation resistance	40,000
	Total	
Electric Switches	Marking	15,000
	Protection against electric shock	30,000

	Nature and strength of terminals		20,000
	Construction properties		20,000
	Construction of Switching Mechanism		30,000
	Fire tests		30,000
	Resistance to rusting		20,000
	Total		165,000
Inverters	Marking		15,000
	Standby Current test		20,000
	Indicators and alarms		20,000
	Built-in protection test		30,000
	Protection against electric shock		30,000
	Short-circuit survival test		40,000
	Output frequency variation test		40,000
	Input-Output Voltage Dependency test		40,000
	Voltage Regulation test		50,000
	Efficiency test		30,000
	Total		
Portable Generator sets	Marking		15,000
	Starting characteristics		30,000
	Power output test		40,000
	Output Voltage stability test		50,000
	Output frequency test		40,000
	Harmonics in output waveform		40,000
	Total		
Portable socket-outlets (extension cables)	Marking		15,000
	Protection against electric shock		30,000
	Earthing		20,000
	Nature and strength of terminals		30,000
	Construction properties		20,000
	Fire tests		30,000

	Resistance to rusting		20,000
	Size of flexible conductor		30,000
	Total		195,000
Primary batteries (Dry cells)	Marking		30,000
	Dimensions.		30,000
	Leakage tests.		70,000
	Voltage levels		40,000
	Application test		50,000
	Total		
Surge protective devices (Fridge Guard, Hi- voltage Guard, etc)	Marking		15,000
	Protection against electric shock		30,000
	Earthing		20,000
	Strength of terminals		20,000
	Mechanical strength of fastening screws		30,000
	Fire tests		30,000
	Resistance to rusting		20,000
	Voltage regulation & waiting time		40,000
	Mechanical strength of Device		20,000
	Total		
Switched sockets, Electric Plugs	Marking		15,000
	Protection against electric shock		30,000
	Earthing		20,000
	Nature and strength of terminals		20,000
	Construction properties		20,000
	Fire tests		30,000
	Resistance to rusting		20,000
	Total		
Television sets	Marking		15,000
	Switching mechanisms		20,000
	Performance tests		50,000

	Electric shock hazard test		40,000
	Protection against electric shock		30,000
	Heating under normal operating conditions		40,000
	Total		
Solar Lanterns	Marking		15,000
	Quality of solar panel		30,000
	Quality of light/lamp		30,000
	Ability to charge fully		40,000
	Lighting hours		40,000
	Total		
Solar Panels	Marking		15,000
	Open circuit characteristics		40,000
	Short circuit characteristics		40,000
	Insulation test		50,000
	Power delivery tests		40,000
	Total		

Note:

Sample submittal attracts a laboratory fee of **USh.10,000**

PART E: PETROLEUM DIVISION - PRICE LIST

PRODUCT	TEST PARAMETERS	Proposed prices (USh)
Diesel / automotive gas oil [AGO]	Sulphur content	80,000
	Density	30,000
	Distillation	100,000
	Flash point	50,000
	Total sediment	20,000
	Copper trip corrosion	40,000
	Carbon residue	50,000
	Neutralisation Value	50,000
	Colour	15,000
	Total	435,000
Engine oil	Viscosity index Dynamic viscosity Kinematic viscosity	210,000
	Density Determination	30,000
	Acid Value	50,000
	Total Base Number	40,000
	Ash content	50,000
	Suspended matter and sediments	20,000
	Water and impurities	40,000
	Total	

Fuel oil (furnace oils)	Viscosity	50,000
	Pour point	50,000
	Sulphur content	80,000
	Flash point	50,000
	Water content	40,000
	Calorific Value	80,000
	Total	
Gasoline / Premium motor spirit (PMS)	Lead content	70,000
	Sulphur content	80,000
	Sediments	20,000
	Visual colour	15,000
	Density	30,000
	Water content	40,000
	Distillation	100,000
	Stability (existing & potential gum)	70,000
	Copper Strip corrosion	40,000
	Total	
Jet A – 1 (Jet fuel) / Duo purpose kerosene (DPK)	Colour	15,000
	Conductivity	40,000
	Density	30,000
	Flash point	50,000
	Freezing point	60,000
	Additives	40,000
	Distillation	100,000
	Total	
Kerosene (BIK)	Sulphur content	80,000
	Density	30,000
	Sediment	20,000
	Total acidity	50,000
	Distillation	100,000

	Flash point	50,000
	Mecaptan sulphur	80,000
	Smoke point	60,000
	Total	
Coal Tar (Creosote) which is a wood preservative	Viscosity index	210,000
	Dynamic viscosity	
	Kinematic viscosity	
	Density	30,000
	Distillation	100,000
	Flash point	50,000
	Water content	30,000
	Insoluble matter content	30,000
	Total	
Fuel additives and Fuel alternatives	Performance	210,000
	Marker concentration	70,000

Note:

Sample submittal attracts a laboratory fee of **US\$10,000**