



KENYATTA UNIVERSITY

NATIONAL PHYTOTHERAPEUTICS RESEARCH CENTRE (NPRC)

OUR VISION STATEMENT

To be a dynamic, all inclusive, globally competitive Centre of excellence in the provision of quality assurance services, training and research for sustainable development

OUR MISSION STATEMENT

To provide quality assurance services, training and research through knowledge generation, research, innovation and creativity in phytotherapeutics

OUR SERVICES

SERVICE PROVIDED		CUSTOMER REQUIREMENTS	CHARGES	TIME
Sample processing	Drying frames under shade (per 10 Kg, wet weight)	Official application (email, phone call, visit to NPRC reception)	As per official service charge	1 Week
	Sample Grinding (per Kg, dry weight).	Official application	As per official service charge	2 Days
	Essential Oil distillation: 1 batch of plant material (for leaves and flowers) in the Reactor.	Official application	As per official service charge	2 batches per Day
	Fixed Oils Extraction (per Kg) to give oil and grinding the cake)	Official application	As per official service charge	1 week
Packaging	Sacheting into Tea bag	Official application	As per official service charge	2 Days
	Shrink sealing	Official application	As per official service charge	2 Days
	Vertical sealing	Official application	As per official service charge	2 Days
	Printing dates on packaging container	Official application	As per official service charge	2 Days
Instrumental analysis	Rotary Evaporation/Sample Concentration (upto 1 L)	Official application	As per official service charge	2 Days
	Freeze Drying (per Litre of extract). A function of time (24 hrs)	Official application	As per official service charge	2 Days
	Moisture Content determination	Official application	As per official service charge	2 Days

pH determination	Official application	As per official service charge	2 Days
Foreign Matter	Official application	As per official service charge	2 Days
Microscopic evaluation			
Qualitative and Quantitative analysis by High Performance Thin Layer Chromatography (HPTLC) Densitometry (per sample)	Official application	As per official service charge	2 Days
Multi-Mycotoxins analysis	Official application	As per official service charge	3 Days
LC-MS/MS Pesticide Residues Screening in plant materials (MRL) (per sample)	Official application	As per official service charge	1 week
LC-MS/MS Pesticide Residues Screening in environmental samples (per sample)	Official application	As per official service charge	2 Days
LC-MS/MS Primary Metabolites Screening in plant materials (per sample)	Official application	As per official service charge	2 Days
LC-MS/MS Drugs of Abuse Screening (per sample)	Official application	As per official service charge	2 Days
LC-MS/MS Toxicological Screening (per sample)	Official application	As per official service charge	2weeks
LC-MS/MS Metabolic Enzymes Screening (per sample)	Official application	As per official service charge	2 weeks
Tannins analysis	Official application	As per official service charge	2 weeks
Saponins analysis	Official application	As per official service charge	2 weeks
Total Phenolics analysis	Official application	As per official service charge	2 weeks
Antioxidants analysis	Official application	As per official service charge	2 weeks
Phytic Acid analysis	Official application	As per official service charge	2 weeks
Total Oxalate analysis	Official application	As per official service charge	2 weeks
GC-MS profiling of polar components	Official application	As per official service charge	2 weeks
GC-MS profiling of non-polar components	Official application	As per official service charge	2 weeks
GC-MS Fatty Acids profiling	Official application	As per official service charge	2 weeks
GC-MS VOCs Analysis	Official application	As per official service charge	2 weeks

	XRF Mineral Analysis	Official application	As per official service charge	2 weeks
	FTIR Analysis	Official application	As per official service charge	2 weeks
	UV-VIS analysis	Official application	As per official service charge	2 weeks
	GC-MS Pesticides (Quechers)	Official application	As per official service charge	2 weeks
	LC-MS Pesticides (Quechers)	Official application	As per official service charge	2 weeks
	Waste Water analysis	Official application	As per official service charge	2 weeks
	Drinking Water analysis	Official application	As per official service charge	2 weeks
	LC-MS Pesticides (Quechers)	Official application	As per official service charge	1 week
Micro-biological analysis	Microbial Load (Total aerobic viable count and Total fungal count)	Official application	As per official service charge	2 weeks
	<i>Vibrio cholera</i>	Official application	As per official service charge	1 week
	Heterotrophic/Aerobic /Anaerobic Plate Count	Official application	As per official service charge	1 week
	Iron reducing bacteria	Official application	As per official service charge	1 week
	Legionella	Official application	As per official service charge	1 week
	<i>Pseudomonas aeruginosa</i>	Official application	As per official service charge	1 week
	Salmonella	Official application	As per official service charge	2 weeks
	Staphylococci	Official application	As per official service charge	2 weeks
	Sulfur reducing Bacteria	Official application	As per official service charge	2 weeks
	Total Coliform (<i>Escherichia coli</i>)	Official application	As per official service charge	2 weeks
	<i>Clostridium perfringens</i>	Official application	As per official service charge	1 week
	Yeast & Mould analysis	Official application	As per official service charge	1 week
	Inhibition studies	Official application	As per official service charge	1 week
	Sterility Tests	Official application	As per official service charge	1 week