KENAS Delivering Trust | KENYA ACCREDITATION SERVICE

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

SCHEDULE OF ACCREDITATION

TECLAB LIMITED

ISO/IEC 17025:2017

Testing Laboratory Number: **KENAS/TL/65**

PERMANENT ADDRESS OF LABORATORY

Plot 15 Mapera Road, Nalukolongo Industrial Area,

P. O. Box 24934,

Kampala. Uganda.

Tel: +256 392 175 246/ +256 789 567 920/ +256 771 301 622

Email Address: teclab@teclabafrica.com

Website: www.teclabafrica.com

Laboratory Contact Person:
Robinson Onen
Alex Ssenyondo Mulira

Expiry Date: 02-June-2029

Approved by: _____ Date: 03-June-2025

KENAS CEO/ Authorized Representative

KENAS Delivering Trust | KENYA ACCREDITATION SERVICE

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

SCHEDULE OF ACCREDITATION – NAME OF CAB

No	Testing Field	Test Object / Matrix	Test Parameter	Test Method	Type of Test	Measurement Range	Test Location
1.	Civil Engineering	Soil, Sand & Gravel	California bearing ratio	BS 1377-2 / ASTM D1883-16	Physical	>0%	**Teclab Limited** **Head Office at Nalukolongo, Kampala**
			Liquid limit	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		>0.1%	
			Plastic limit	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		Various	
			Plastic Index	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		Various	
			Shrinkage	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		>0.1%	
			Bulk and Wet Density	BS 1377-2 / BS EN ISO 17892-2		>1kg/m^3	
			Particle Density	BS 1377-2 / BS EN ISO 17892-3		>0.1Mg/m^3	
			Particle size distribution	BS 1377-2 / BS EN ISO 17892-4		0.0 – 100.00mm	
			Moisture content	BS 1377-2 / BS EN ISO 17892-1		>0.1%	
			Density / moisture content relationship	BS 1377-2 / ASTM D698/ ASTM D1557/ AASHTO T180		Various	
			One Dimensional Consolidation Properties	BS 1377-2 / BS EN ISO 17892-5			
			Void Ratio			>0.1	
			Coefficient of volume compression			>0.001m^2/MN	
			Coefficient of consolidation			>1m^2/year	
			Permeability			>0.1m/s	

			Shear strength (Vane and Box)	BS 1377-2 / BS EN ISO 17892-10 / BS EN 22476-9		130kPa Max.	
			Unconfined compressive strength	BS 1377-2 / BS EN ISO 17892-7		6400kPa Max.	
			Unconfined shear strength in triaxial compression without measurement of pore pressure	BS 1377-2 / BS EN ISO 17892-7		6400kPa Max.	
			Undrained shear strength in triaxial compression with multistage loading and without measurement of pore pressure	BS 1377-2 / BS EN ISO 17892-8		6400kPa Max.	
			Consolidated – undrained triaxial compression test with measurement of pore pressure	BS 1377-2 / BS EN ISO 17892-9		6400kPa Max.	
			Consolidated – undrained triaxial compression test with measurement of volume change	BS 1377-2 / BS EN ISO 17892-9		6400kPa Max.	
			Sand replacement method - Density	BS 1377-9 / ASTM D4914 / D4914M		> 0.1 Kg/m^3	
			Penetration resistance using static cone penetration	BS EN ISO 22476-12		Various	
			Dynamic probing resistance	BS EN ISO 22476-2 + A1		>1mm/blow	
			Standard penetration test	BS EN ISO 22476-3 + A1			

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

			Penetration index value			0.1mm/blow	
			N-value			>0.1	
			Unconfined compressive strength			>0.1Pa	
			Ultimate Bearing Capacity			>0.1Pa	
			Plate loading test	BS 1377-9 / ASTM D1195 / D1195M		232kN Max.	
			pH	BS 1377-3 + A1		1 - 14	
			Chloride Content	BS 1377-3 +A1		0 – 100%	
			Sulphate Content	BS 1377-3 + A1		0 – 100%	
			Organic Content	BS 1377-3 +A1 / ASTM C40/ C40M-20		0 – 100%	
		Aggregates/ Rocks	Particle size distribution	BS EN 933-1		0 – 100%	
			Flakiness index (FI)	BS EN 933-3		0 – 100%	
			Average Least dimension (ALD)	BS EN 933-3		1250mm/unit	
			Shape Index	BS EN 933-4		0 – 100%	
			Moisture Content of aggregates	BS EN 1097-5		0 – 100%	
			Bulk Density	BS EN 1097-3		>0.1g/cm^3	
			Aggregate impact value	BS 812-112 / BS EN 1097-2		0 – 100%	
			Aggregate crushing value	BS 812-110 / BS EN 1097-2		0 – 100%	
			Ten percent fines value	BS 812-111 / BS EN 1097-2		2000kN Max.	
			Particle Density	BS EN 1097-6 / BS EN 1097-7		>0.1g/cm^3	
			Water Absorption	BS EN 1097-6, 7 / BS 812-2		0 – 100%	
			Los Angeles abrasion value	BS EN 1097-9 / ASTM C131/ 131M-20		0 – 100%	

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

		Concrete	Sand Equivalent	BS EN 933-8 / ASTM D2419-14		0 – 100%	
			Sodium soundness test	ASTM C88/ C88M-18 / BS 812-121		0 – 100%	
			Shell content	BS EN 933-7		0 – 100%	
			Silt / Clay / Dust content	ASTM D1140-17		0 – 100%	
			Unconfined Compression Strength	ASTM D7012/ ISRM		50kN Max.	
			Point load strength test	ASTM 5731-16/ ISRM		10kN Max.	
			Chloride Content	EN 1744-1 + A1		0 – 100%	
			Sulphate Content	EN 1744-1 + A1		0 – 100%	
			Slump test	BS EN 12390-2 / ASTM C143/ 143M-20		≤ 305mm	
			Dimensions	BS EN 12320-1		>0 mm	
			Density	BS EN 12390-2 / ASTM C143/ 143M-20		>1kg/m^3	
			Making concrete cubes and Cylinders	BS EN 12390-7		N/A	
			Temperature	BS EN 12320-2		Various	
			Compressive Strength	BS EN 12390-3 / BS EN 12504-1 / BS EN 12504-2		2000 kN Max	
			Ultra-sonic pulse velocity (UPV)	BS EN 12504-4 / ASTM C805/ C805M-18			
			Dimensions			1000 mm Max.	
			Compressive strength			70 N/mm^2 Max.	
			Various			Qualitative	
		Bricks, Blocks and Pavers	Compressive Strength	BS EN 12390-3 / BS EN 12504-1 / BS EN 12504-2 / BS EN 772-1 + A1 / BS 6717-1		2000 kN Max	
			Dimensions	BS EN 1338		>0mm	
			Water absorption	BS EN 1338		>0.1%	

			Density	BS EN 1338		>1Kg/m^3	
2.	Civil Engineering	Soil, Sand & Gravel	California bearing ratio	BS 1377-2: 2022/ ASTM D1883-16	Physical	>0%	**Teclab Limited** **Site Laboratory at Excel - Terrain Facility at Kasenyi Buliisa**
			Liquid limit	BS EN ISO 17892-12 / ASTM D4318 / BS 1377-2 / AASHTO T89-96		>0.1%	
			Plastic limit	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		Various	
			Plastic Index	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		Various	
			Shrinkage	BS EN ISO 17892-12 / ASTM D4318/ BS 1377-2 / AASHTO T89-96		>0.1%	
			Bulk and Wet Density	BS 1377-2 / BS EN ISO 17892-2		>1kg/m^3	
			Particle Density	BS 1377-2 / BS EN ISO 17892-3		>0.1Mg/m^3	
			Particle size distribution	BS 1377-2 / BS EN ISO 17892-4		0.0 – 100.00mm	
			Moisture content	BS 1377-2 / BS EN ISO 17892-1		>0.1%	
			Density / moisture content relationship	BS 1377-2 / ASTM D698/ ASTM D1557/ AASHTO T180		Various	
			Sand replacement method - Density	BS 1377-9 / ASTM D4914 / D4914M		> 0.1 Kg/m^3	
			pH	BS 1377-3 + A1		1 - 14	
		Aggregates/ Rocks	Particle size distribution	BS EN 933-1: 2012		0 – 100%	
			Flakiness index (FI)	BS EN 933-3		0 – 100%	
			Average Least Dimension (ALD)	BS EN 933-3		1250mm/unit	
			Moisture Content of aggregates	BS EN 1097-5		0 – 100%	
			Bulk Density	BS EN 1097-3		>0.1g/cm^3	

			Aggregate crushing value	BS 812-110 / BS EN 1097-2		0 – 100%	
			Ten percent fines value	BS 812-111 / BS EN 1097-2		1500 kN Max.	
			Particle Density	BS EN 1097-6 / BS EN 1097-7		>0.1g/cm^3	
			Water Absorption	BS EN 1097-6, 7 / BS 812-2		0 – 100%	
			Sand Equivalent	BS EN 933-8 / ASTM D2419-14		0 – 100%	
			Sodium Sulphate Soundness	ASTM C88/ C88M-18 / BS 812-121:1989		0 – 100%	
			Shell content	BS EN 933-7		0 – 100%	
			Silt / Clay / Dust content	ASTM D1140-17		0 – 100%	
		Concrete	Slump test	BS EN 12390-2 / ASTM C143/ 143M-20		≤ 305mm	
			Compressive Strength	BS EN 12390-3 / BS EN 12504-1 / BS EN 12504-2		1500 kN Max	
			Dimensions	BS EN 12320-1		>0 mm	
			Density	BS EN 12390-2 / ASTM C143/ 143M-20		>1kg/m^3	
			Making concrete cubes and Cylinders	BS EN 12390-7		N/A	
			Temperature	BS EN 12320-2		Various	
		Bricks, Blocks and Pavers	Compressive Strength	BS EN 12390-3 / BS EN 12504-1 / BS EN 12504-2 / BS EN 772-1 + A1 / BS 6717-1		1500 kN Max	
			Water absorption	BS EN 1338		>0.1%	
			Density	BS EN 1338		>1Kg/m^3	
3.	Civil Engineering	Soil, Sand & Gravel	Moisture content	BS 1377-2 / BS EN ISO 17892-1	Physical	>0.1%	**Teclab Limited Site Laboratory at Plumb Base Facility at Ngwedo Buliisa**
			Sand replacement method - Density	BS 1377-9 / ASTM D4914/ D4914M		> 0.1 Kg/m^3	
		Concrete	Slump test	BS EN 12390-2 / ASTM C143/ 143M-20		≤ 305mm	

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya
Email: info@kenas.go.ke | Web: www.kenas.go.ke

			Dimensions	BS EN 12320-1		>0 mm	
			Density	BS EN 12390-2 / ASTM C143/ 143M-20		>1kg/m^3	
			Making concrete cubes and Cylinders	BS EN 12390-7		N/A	
			Temperature	BS EN 12320-2		Various	
			Compressive Strength	BS EN 12390-3 / BS EN 12504-1 / BS EN 12504-2:		2000 kN Max	

Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Accreditation	03-June-2021	03-June-2021	02-June-2025
1st Re-accreditation	03-June-2025	03-June-2025	02-June-2029

This schedule is issued subject to the terms and conditions of KENAS Accreditation. It supersedes any other schedule(s) issued in the past

Approved by: _____ Date: 03-June-2025

KENAS CEO/ Authorized Representative