KENYA ACCREDITATION SERVICE
P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya
Email: info@kenyaaccreditation.org 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
Alex Ssenyondo Mulira

Approved by: _____
~~*KENAS CEO/Authorized Representative*~~

Date: 03-Jun-2021
2021-06-03

KENYA ACCREDITATION SERVICE
P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya
Email: info@kenyaaccreditation.org Web: www.kenas.go.ke

No.	Testing Field	Type of Test	Test Method	Test Object / Matrix	Test Parameter	Measurement Range	Test Location
1.	Civil Engineering	Physical	BS 1377: Part 4: 1990/ ASTM D1883-16	Soil, Sand & Gravel	California bearing ratio	>0%	Teclab Limited Laboratories, Client Premises, and Various Sites
			BS EN ISO 17892-12: 2018/ ASTM D4318		Liquid limit	>0.1%	
			BS EN ISO 17892-12: 2018/ ASTM D4318		Plastic limit	Various	
					Plastic Index	Various	
			BS EN ISO 17892-12: 2018/ ASTM D4318		Shrinkage	>0.1%	
			BS EN ISO 17892-2: 2014		Bulk and Wet Density	>1kg/m^3	
			BS EN ISO 17892-3: 2015		Particle Density	>0.1Mg/m^3	
			BS EN ISO 17892-4: 2016		Particle size distribution	0.01 – 100.00mm	
			BS EN ISO 17892-1: 2014		Moisture content	>0.1%	
			BS 1377: Part 4: 1990/ ASTM D698/ ASTM D1557		Density / moisture content relationship	Various	
			BS EN ISO 17892-5: 2017		***One Dimensional Consolidation Properties***		
					Void Ratio	>0.1	
					Coefficient of volume compression	>0.001m^2/MN	
					Coefficient of consolidation	>1m^2/year	
					Permeability	>0.1m/s	
			BS EN ISO 17892-10-2018/ BS EN 22476-9: 2020		Shear strength (Vane and Box)	130kPa Max.	
			BS EN ISO 17892-7-2018		Unconfined compressive strength	6400kPa Max.	
			BS EN ISO 17892-7-2018		Unconfined shear strength in triaxial compression without measurement of pore pressure	6400kPa Max.	
			BS EN ISO 17892-8-2018		Undrained shear strength in triaxial compression with multistage loading and without measurement of pore pressure	6400kPa Max.	
			BS EN ISO 17892-9-2018		Consolidated – undrained triaxial compression test with measurement of pore pressure	6400kPa Max.	
			BS EN ISO 17892-9-2018		Consolidated – undrained triaxial compression test with measurement of volume change	6400kPa Max.	
			BS 1377: Part 9: 1990/ ASTM D4914/ D4914M		Sand replacement method - Density	> 0.1 Kg/m^3	
			BS EN ISO 22476-12:2009		Penetration resistance using static cone penetration	Various	
			BS EN ISO 22476-2:2005+A1:2011		Dynamic probing resistance	>1mm/blow	
			BS EN ISO 22476-3:2005 +A1:2011		***Standard penetration test***		

No.	Testing Field	Type of Test	Test Method	Test Object / Matrix	Test Parameter	Measurement Range	Test Location
					Penetration index value	0.1mm/blow	
					N-value	>0.1	
					Unconfined compressive strength	>0.1Pa	
					Ultimate Bearing Capacity	>0.1Pa	
			BS 1377: Part 9: 1990/ ASTM D1195 / D1195M		Plate loading test	232kN Max.	
			BS 1377: Part 3: 2018		pH	1 - 14	
			BS EN 933-1: 2012	Aggregates/ Rock	Particle size distribution	0 – 100%	
			BS EN 933-3: 2012		Flakiness index (FI)	0 – 100%	
					average least dimension (ALD	1250mm/unit	
			BS EN 933-4: 2008		Shape Index	0 – 100%	
			BS EN 1097-5:2008		Moisture Content of aggregates	0 – 100%	
			BS EN 1097-3:1998		Bulk Density	>0.1g/cm^3	
			BS 812-112:1990/ BS EN 1097-2:2020		Aggregate impact value	0 – 100%	
			BS 812-110:1990/ BS EN 1097-2:2020		Aggregate crushing value	0 – 100%	
			BS 812-111:1990/ BS EN 1097-2:2020		Ten percent fines value	2000kN Max.	
			BS EN 1097-6:2013/ BS EN 1097-7:2013		Particle Density	>0.1g/cm^3	
					Water Absorption	0 – 100%	
			BS EN 1097-9:2014/ ASTM C131/ 131M-20		Los Angeles abrasion value	0 – 100%	
			BS EN 933-8: 2012/ ASTM D2419-14		Sand Equivalent	0 – 100%	
			ASTM C88/ C88M-18 / BS 812-121:1989		Sodium soundness test	0 – 100%	
			BS EN 933-7:1998		Shell content	0 – 100%	
			ASTM D1140-17		Silt / Clay / Dust content	0 – 100%	
			ASTM D7012/ ISRM (1985)		Unconfined Compression Strength	50kN Max.	
			ASTM 5731-16/ ISRM (1985)		Point load strength test	10kN Max.	
			BS EN 12350-2:2019/ ASTM C143/ 143M-20	Concrete	Slump test	≤ 305mm	
			BS EN 12504-4:2004/ ASTM C805/ C805M-18		***Ultra-sonic pulse velocity (UPV)***		
					Dimensions	100mm Max.	
					Compressive strength	70N/mm^2 Max.	
					Various	Qualitative	
			BS EN 12390-3: 2019/ BS EN 12504-1: 2019/ BS EN 12504-2:2012		Compressive strength	2000kN Max.	
			BS EN 1338: 2003/ BS EN 12390-3: 2019	Bricks, Blocks and Pavers			
			BS EN 1338: 2003		Water absorption	>0.1%	

KENYA ACCREDITATION SERVICE
P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya
Email: info@kenyaaccreditation.org Web: www.kenas.go.ke

Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Accreditation	03-Jun-2021	03-Jun-2021	02-Jun-2025

This schedule is issued subject to the terms and conditions of KENAS Accreditation.

Approved by: _____ *Date: 03-Jun-2021*
~~*KENAS CEO/Authorized Representative*~~