

# Schedule

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Certificate No. : LA-2003-0290-C-1  
Issue No. : 2  
Date : 7 September 2024  
Expiry of Certificate : 6 September 2028  
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FIELD OF TESTING : Calibration and Measurement

MEASURED QUANTITIES/INSTRUMENT/RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
<b>A Mechanical</b>		
<b>A1 Force Measuring Devices</b>		
a. Prestressing Jack		
b. Hydraulic Jack		
0 to 15 kN	) CL/CAL/SOP-06A-R4-AUG2024	0.021 kN
above 15 kN to 30 kN	) BS 8422: 2003	0.021 kN
above 30 kN to 50 kN	)	0.12 kN
above 50 kN to 100 kN	)	0.15 kN
above 100 kN to 200 kN	)	2.1 kN
above 200 kN to 250 kN	)	1.6 kN
above 250 kN to 500 kN	)	2.1 kN
above 500 kN to 1000 kN	)	3.4 kN
above 1000 kN to 2000 kN	)	9.3 kN
c. Compression Testing Machine		
0 kN to 100 kN	) BS EN ISO 7500-1: 2018	0.18 kN
above 100 kN to 300 kN	) CL/CAL/SOP-06-R2-SEP2021	0.14 kN
above 300 kN to 400 kN	)	0.14 kN
above 500 kN to 1000 kN	)	1.9 kN
above 1000 kN to 2000 kN	)	1.9 kN
above 2000 kN to 3000 kN	)	1.9 kN

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MEASURED QUANTITIES/INSTRUMENT/RANGE TO BE CALIBRATED	METHOD	CALIBRATION AND MEASUREMENT CAPABILITY (CMC*)
A2 Concrete Batching Plant		
1 kg to 5 kg	) CL/CAL/SOP-11-R0-AUG2022	0.20 %
above 5 kg to 10 kg	)	0.10 %
above 10 kg to 50 kg	)	0.060 %
above 50 kg to 100 kg	)	0.060 %
above 100 kg to 200 kg	)	0.030 %
above 200 kg to 500 kg	)	0.040 %
above 500 kg to 1000 kg	)	0.060 %
above 1000 kg to 2000 kg	)	0.040 %
above 2000 kg to 3000 kg	)	0.040 %
above 3000 kg to 4000 kg	)	0.040 %
above 4000 kg to 10000kg	)	0.070 %
A3 Pressure Measuring Device		
a. Gauges (Lab)		
0 to 500 psi	) BS EN 837-1 & 3: 1998	0.39 % of maximum scale value
above 500 to 1000 psi	) CCSB_CAL_SOP_001_R0_JAN24	0.39 % of maximum scale value
above 1000 to 2000 psi	)	0.29 % of maximum scale value
above 2000 to 5000 psi	)	0.29 % of maximum scale value
above 5000 to 10000 psi	)	0.29 % of maximum scale value
above 10000 to 16000 psi	)	0.21 % of maximum scale value

\*CMC is expressed as an expanded uncertainty estimated at a level of confidence of approximately 95%

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## **Approved Signatories**

Mr Mohamad Zaki bin Mat Riffin	-	for all items
Mr Mohd Nazrul bin Adnan	-	A2 & A3
Mr Mohd Farhan Amir bin Abu Talib	-	A3
Mr Mohd Farid bin Abdul Razak	-	A3

## **Note:**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.