



**INTERNATIONAL QUALITY AND
ACCREDITATION SERVICES PRIVATE LIMITED**
(Formerly International Quality And Accreditation Services LLP)

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

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CAB Name : Tycon Engineering
Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad
, Haryana

Certificate No: C-0006

Issue date : 16.01.2024
Validity : 15.01.2025
Amendment date : 02.09.2024

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC @ k=2, approx. 95% CF	Remarks/Method used
Facility - Permanent				
01	weight	1mg, E2 Accuracy class and Coarser	0.0010 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
02	weight	2mg, E2 Accuracy class and Coarser	0.0010 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
03	weight	5mg, E2 Accuracy class and Coarser	0.0020 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
04	weight	10mg, E2 Accuracy class and Coarser	0.0020 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity

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Director, IQAS



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				5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R- 111:2004
05	weight	20mg, E2 Accuracy class and Coarser	0.0020 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R- 111:2004
06	weight	50mg, E2 Accuracy class and Coarser	0.0020 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R- 111:2004
07	weight	100mg, E2 Accuracy class and Coarser	0.0030 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R- 111:2004

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08	weight	500mg, E2 Accuracy class and Coarser	0.0050 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
09	weight	2g, E2 Accuracy class and Coarser	0.0050 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
10	weight	5g, E2 Accuracy class and Coarser	0.0060 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
11	weight	10g, E2 Accuracy class and Coarser	0.0070 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 220 g and d: 0.01 mg,

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				Substitution Method by ABBA Cycles as per OIML R-111:2004
12	weight	20g, E2 Accuracy class and Coarser	0.0090 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 220 g and d: 0.01 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
13	weight	50g, E2 Accuracy class and Coarser	0.020 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 220 g and d: 0.01 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
14	weight	100g, E2 Accuracy class and Coarser	0.080 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity 220 g and d: 0.01 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
15	weight	200g, E2	0.10 mg	Using E1 Accuracy class

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		Accuracy class and Coarser		standard weights 1 mg to 200 g and Weighing Balance Capacity 220 g and d: 0.01 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
16	weight	500g, E2 Accuracy class and Coarser	0.20 mg	Using E1 Accuracy class standard weight 500 g and Weighing Balance Capacity 1 kg and d: 0.0001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
17	weight	1kg, E2 Accuracy class and Coarser	0.30 mg	Using E1 Accuracy class standard weight 1kg and Weighing Balance Capacity 1 kg and d: 0.0001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
18	weight	2kg, E2 Accuracy class and Coarser	1.0 mg	Using E1 Accuracy class standard weight 2 kg and Weighing Balance Capacity 10 kg and d: 0.001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
19	weight	5kg, E2 Accuracy	1.0 mg	Using E1 Accuracy class

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		class and Coarser		standard weight 5 kg and Weighing Balance Capacity 10 kg and d: 0.001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
20	weight	10kg, E2 Accuracy class and Coarser	2.0 mg	Using E1 Accuracy class standard weight 10 kg and Weighing Balance Capacity 10 kg and d: 0.001 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
21	weight	20kg, E2 Accuracy class and Coarser	10 mg	Using E1 Accuracy class standard weight 20 kg and Weighing Balance Capacity 20 kg and d: 0.01 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
22	Weight	50kg, M1 Accuracy class and Coarser	1.0 g	Using F1 Accuracy class standard weight 50 kg and Weighing Balance Capacity 50 kg and d: 1 g, Substitution Method by ABBA Cycles as per OIML R-111:2004
Facility – Site				
01	MECHANICALWEIGHIN	0 to 5 g,	0.0080 mg	Using standard Weights E1

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	G SCALE AND BALANCE	Weighing Balance Class I and Coarser d = 0.0001 mg		Accuracy class 1 mg to 200 g as per OIML R76-1:2006,
02	MECHANICALWEIGHIN G SCALE AND BALANCE	>5 g to 200 g, Weighing Balance Class I and Coarser d = 0.01 mg	0.040 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006,
03	MECHANICALWEIGHIN G SCALE AND BALANCE	200g to 300 g, Weighing Balance Class I and Coarser d = 0.1 mg	0.20 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006,
04	MECHANICALWEIGHIN G SCALE AND BALANCE	>300 g to 1.0 kg Weighing Balance Class I and Coarser d = 0.1 mg	0.20 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g and 500 to 20kg as per OIML R76-1:2006,
05	MECHANICALWEIGHIN G SCALE AND BALANCE	>1000 g to 10 kg Weighing Balance Class II and Coarser d = 1 mg	3.0 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g and 500 to 20kg as per OIML R76-1:2006,
06	MECHANICALWEIGHIN G SCALE AND BALANCE	>10kg to 30 kg Weighing Balance	10 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g

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		Class II and Coarser $d = 1 \text{ mg}$		and 500 to 20kg as per OIML R76-1:2006,
07	MECHANICALWEIGHING SCALE AND BALANCE	>30kg to 50 kg Weighing Balance Class III and Coarser $d = 1 \text{ mg}$	2.0 g	Using standard Weights F1 Accuracy class 50kg as per OIML R76-1:2006,
08	MECHANICALWEIGHING SCALE AND BALANCE	>60kg to 150 kg Weighing Balance Class III and Coarser $d = 1 \text{ mg}$	20g	Using standard Weights F1 Accuracy class up to 150kg as per OIML R76-1:2006,

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