



INTERNATIONAL QUALITY AND ACCREDITATION SERVICES PRIVATE LIMITED

(Formerly International Quality And Accreditation Services LLP)

Scope of Accreditation for Testing

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 : NA

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	0.001 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	0.001 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	0.002 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-

Dr. Himani Jain
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				111:2004
04	weight	10mg, E2 Accuracy class and Coarser	0.002 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
05	weight	20mg, E2 Accuracy class and Coarser	0.002 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	0.002 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-

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				111:2004
07	weight	100mg, E2 Accuracy class and Coarser	0.003 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
08	weight	500mg, E2 Accuracy class and Coarser	0.005mg	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	0.005mg	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-

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				111:2004
10	weight	5g, E2 Accuracy class and Coarser	0.006mg	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	0.007mg	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
12	weight	20g, E2 Accuracy class and Coarser	0.009mg	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-

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				111:2004
13	weight	50g, E2 Accuracy class and Coarser	0.02mg	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	0.08mg	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 Accuracy class and Coarser	0.10mg	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-

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				111:2004
16	weight	500g, E2 Accuracy class and Coarser	0.20mg	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	0.3mg	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	1mg	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 class and Coarser	1mg	Using E1 Accuracy class standard weight 5 kg and

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				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	2mg	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	10mg	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	1g	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

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				OIML R-111:2004
Facility - Site				
01	MECHANICALWEIGHING SCALE AND BALANCE	0 to 5 g, Weighing Balance Class I and Coarser d = 0.0001 mg	0.008mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006,
02	MECHANICALWEIGHING SCALE AND BALANCE	>5 g to 200 g, Weighing Balance Class I and Coarser d = 0.01 mg	0.04mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006,
03	MECHANICALWEIGHING SCALE AND BALANCE	200g to 300 g, Weighing Balance Class I and Coarser d = 0.1 mg	0.2mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006,
04	MECHANICALWEIGHING SCALE AND BALANCE	>300 g to 1.0 kg Weighing Balance Class I and Coarser d = 0.1	0.2mg	Using standard Weights E1 Accuracy class 1 mg to 200 g and 500 to 20kg as per OIML R76-1:2006,

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		mg		
05	MECHANICALWEIGHING SCALE AND BALANCE	>1000 g to 10 kg Weighing Balance Class II and Coarser d = 1 mg	3mg	Using standard Weights E1 Accuracy class 1 mg to 200 g and 500 to 20kg as per OIML R76-1:2006,
06	MECHANICALWEIGHING SCALE AND BALANCE	>10kg to 30 kg Weighing Balance Class II and Coarser d = 1 mg	10mg	Using standard Weights E1 Accuracy class 1 mg to 200 g 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 mg	2g	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 mg	20g	Using standard Weights F1 Accuracy class up to 150kg as per OIML R76-1:2006,

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