International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name : Tycon Engineering
Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad-121004, Haryana

Certificate No: C-0006

Issue date : 16.01.2025
Validity : 15.01.2029
Amendment date : N/A

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC(±)	Remarks/Method used
		Facility - Permanent		
01	weight	1mg, E2 Accuracy class and Coarser	0.0013 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	0.0013 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	0.0013 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	0.0013 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	0.0013 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	0.0013 mg	Using E1 Accuracy class

Ratan Singh Rana
Director, IQAS

International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name : Tycon Engineering

Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad-121004, Haryana

Certificate No: C-0006

Issue date : 16.01.2025
Validity : 15.01.2029
Amendment date : N/A

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC(±)	Remarks/Method used
		Accuracy class and Coarser		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	0.0022 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	200mg, E2 Accuracy class and Coarser	0.0022 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	500mg, E2 Accuracy class and Coarser	0.0022mg	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	1g, 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
11	weight	2g, E2 Accuracy class and Coarser	0.0030 mg	Using E1 Accuracy class standard weights 1 mg to 200 g and Weighing Balance Capacity

Ratan Singh Rana
Director, IQAS

International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name : Tycon Engineering
Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad-121004, Haryana

Certificate No: C-0006

Issue date : 16.01.2025
Validity : 15.01.2029
Amendment date : N/A

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC(±)	Remarks/Method used
				5 g and d: 0.001 mg, Substitution Method by ABBA Cycles as per OIML R-111:2004
12	weight	5g, 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
13	weight	10g, E2 Accuracy class and Coarser	0.010 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	20g, E2 Accuracy class and Coarser	0.010 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	50g, E2 Accuracy class and Coarser	0.010 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
16	weight	100g, 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

Ratan Singh Rana
Director, IQAS

International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name : Tycon Engineering

Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad-121004, Haryana

Certificate No: C-0006

Issue date	: 16.01.2025
Validity	: 15.01.2029
Amendment date	: N/A

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC(±)	Remarks/Method used
				Cycles as per OIML R-111:2004
17	weight	200g, E2 Accuracy class and Coarser	0.030 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
18	weight	500g, E2 Accuracy class and Coarser	0.080 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
19	weight	1kg, E2 Accuracy class and Coarser	0.20 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
20	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
21	weight	5kg, E2 Accuracy class and Coarser	1.0 mg	Using E1 Accuracy class 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
22	weight	10kg, E2	2.8 mg	Using E1 Accuracy class

Ratan Singh Rana
Director, IQAS

International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name : Tycon Engineering

Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad-121004, Haryana

Certificate No: C-0006

Issue date : 16.01.2025
Validity : 15.01.2029
Amendment date : N/A

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC(±)	Remarks/Method used
		Accuracy class and Coarser		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
23	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
24	Weight	50kg, M1 Accuracy class and Coarser	1.0 g	UsingF1 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	MECHANICALWEIGHING SCALE AND BALANCE	0 to 5 g, Weighing Balance Class I and Coarser d = 0.0001 mg	0.0080 mg	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	0.040 mg	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	0.20 mg	Using standard Weights E1 Accuracy class 1 mg to 200 g as per OIML R76-1:2006,

Ratan Singh Rana
Director, IQAS

International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India

Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name : Tycon Engineering
Address : Plot no. 361,362, samaypur colony near C.I.A office sector-56 Ballabhgarh Faridabad-121004, Haryana

Certificate No: C-0006

Issue date : 16.01.2025
Validity : 15.01.2029
Amendment date : N/A

Mechanical Calibration

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC(±)	Remarks/Method used
04	MECHANICALWEIGHING 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	MECHANICALWEIGHING 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	MECHANICALWEIGHING SCALE AND BALANCE	>10kg to 30 kg Weighing Balance Class II and Coarser d = 1 mg	10 mg	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	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 mg	20g	Using standard Weights F1 Accuracy class up to 150kg as per OIML R76-1:2006,

Note: CMC is Calibration Measurement Capability expressed as the expanded uncertainty having a coverage factor k = 2 at confidence interval to approximately 95%.

Ratan Singh Rana
Director, IQAS