National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

SHANKER WIRE PRODUCTS INDUSTRIES - CALIBRATION LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

KALIREKHA, DEOGHAR, JHARKHAND, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2601

Issue Date: 16/06/2025 **Valid Until:** 15/06/2029

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: SHANKER WIRE PRODUCTS INDUSTRIES

Signed for and on behalf of NABL

Anita Rani
Director

N. Venkateswaran
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHANKER WIRE PRODUCTS INDUSTRIES - CALIBRATION LABORATORY, KALIREKHA, DEOGHAR, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2601 **Page No** 1 of 7

Validity 16/06/2025 to 15/06/2029 **Last Amended on** -

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class II and coarser Readability :10 mg	Using Standard Weight F 1 Class as per OIML R-76	0 to 10 kg	0.0415 g
2	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class II and coarser Readability:10 mg	Using Standard Weight E2 & F 1 Class as per OIML R-76	0 to 3.2 kg	0.0245 g
3	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class II and coarser Readability:100 mg	Using Standard Weight F 1 Class as per OIML R-76	0 to 35.1 kg	0.0943 g
4	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class II and coarser, Readability:10 mg	Using Standard Weight E2 & F 1 Class as per OIML R-76	0 to 1100 g	7.10 mg
5	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class II and coarser. Readability :1 mg	Using Standard Weight E2 Class as per OIML R-76	0 to 210 g	2.43 mg
6	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class II Readability :100 mg	Using Standard Weight F 1 Class as per OIML R-76	0 to 61.1 kg	0.593 g
7	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance Accuracy Class III and Coarser, Readability :2 g	Using Standard Weight F1 and F2 Class as per OIML R-47 Page 4 & 5 Under Metrological characteristics	0 to 1000 kg	7.19 g

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8	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	1 g	0.0168 mg
9	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	1 mg	0.006 mg
10	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	10 g	0.0262 mg
11	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	10 mg	0.008 mg
12	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.1 mg as per OIML R-111-1	100 g	0.102 mg

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13	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	100 mg	0.0109 mg
14	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	2 g	0.0157 mg
15	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	2 mg	0.006 mg
16	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	20 g	0.0315 mg
17	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	20 mg	0.0094 mg

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18	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.1 mg as per OIML R-111-1	200 g	0.1385 mg
19	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	200 mg	0.0148 mg
20	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	5 g	0.0201 mg
21	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	5 mg	0.0066 mg
22	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.1 mg as per OIML R-111-1	50 g	0.093 mg

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23	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	50 mg	0.0093 mg
24	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E2 Class Standard Weights and Precision Balance of Readability : 0.01 mg as per OIML R-111-1	500 mg	0.0173 mg
25	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F 1 Class Standard Weights and Precision Balance of Readability : 1 mg as per OIML R-111-1	1 kg	2.1 mg
26	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F 1 Class Standard Weights and Precision Balance of Readability : 10 mg as per OIML R-111-1	10 kg	21 mg
27	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F2 Class Standard Weights and Precision Balance of Readability : 2 g as per OIML R-47	100 kg	1.39 g
28	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F2 Class Standard Weights and Precision Balance of Readability : 2 g as per OIML R-47	1000 kg	6.89 g

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29	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F 1 Class Standard Weights and Precision Balance of Readability : 10 mg as per OIML R-111-1	2 kg	9 mg
30	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F 1 Class Standard Weights and Precision Balance of Readability : 100 mg as per OIML R-111-1	20 kg	96 mg
31	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F2 Class Standard Weights and Precision Balance of Readability : 2 g as per OIML R-47	200 kg	2010 mg
32	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F 1 Class Standard Weights and Precision Balance of Readability : 10 mg as per OIML R-111-1	5 kg	14.4 mg
33	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F 1 Class Standard Weights and Precision Balance of Readability : 100 mg as per OIML R-111-1	50 kg	143 mg
34	MECHANICAL-WEIGHTS	Accuracy class M1 & Coarser	Using F1 class standard weights and precision balance of Readability : 1 mg as per OIML R-111-1	500 g	0.00130 g

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35	MECHANICAL-WEIGHTS	Accuracy class M1 & coarser	Using F2 Class Standard Weights and Precision Balance of Readability : 2 g as per OIML R-47	500 kg	3251 mg

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**