



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

PRECIMASS LLP, 34, PELICAN ESTATE, ROAD NO 5, KATHWADA GIDC,  
KATHWADA, AHMEDABAD, GUJARAT, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

CC-3213

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**Validity**

20/11/2023 to 02/02/2025

**Last Amended on**

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|--------------------|--------------------|---|--|---|--|
| Permanent Facility |                    |   |  |   |  |
| 1                  | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 1 g   | 0.0030mg   |
| 2                  | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.01 mg by ABBA Cycles and Substitution method as per OIML R-111   | 1 kg  | 0.16mg   |
| 3                  | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 1 mg  | 0.0010mg   |
| 4                  | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.001 mg by ABBA Cycles and Substitution method as per OIML R-111  | 10 g  | 0.0066mg   |



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|------|--------------------|---|--|---|--|
| 5    | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.2 mg by ABBA Cycles and Substitution method as per OIML R-111    | 10 kg   | 1.66mg   |
| 6    | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 10 mg   | 0.0010mg   |
| 7    | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.001 mg by ABBA Cycles and Substitution method as per OIML R-111  | 100 g   | 0.016mg  |
| 8    | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 100 mg  | 0.0016mg   |



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|------|--------------------|---|--|---|--|
| 9    | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.0001$ mg by ABBA Cycles and Substitution method as per OIML R-111 | 2 g   | 0.0040mg   |
| 10   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.1$ mg by ABBA Cycles and Substitution method as per OIML R-111    | 2 kg  | 0.32mg   |
| 11   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.0001$ mg by ABBA Cycles and Substitution method as per OIML R-111 | 2 mg  | 0.0010mg   |
| 12   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.001$ mg by ABBA Cycles and Substitution method as per OIML R-111  | 20 g  | 0.0080mg   |



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| <b>Certificate Number</b>     | CC-3213   |                        |         |
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|------|--------------------|---|--|---|--|
| 13   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 1 mg by ABBA Cycles and Substitution method as per OIML R-111      | 20 kg   | 3.16mg   |
| 14   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 20 mg   | 0.0010mg   |
| 15   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.01 mg by ABBA Cycles and Substitution method as per OIML R-111   | 200 g   | 0.03mg   |
| 16   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 200 mg  | 0.0020mg   |



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|------|--------------------|---|--|---|--|
| 17   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 5 g   | 0.0050mg   |
| 18   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.1 mg by ABBA Cycles and Substitution method as per OIML R-111    | 5 kg  | 0.82mg   |
| 19   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.0001 mg by ABBA Cycles and Substitution method as per OIML R-111 | 5 mg  | 0.0010mg   |
| 20   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with d = 0.001 mg by ABBA Cycles and Substitution method as per OIML R-111  | 50 g  | 0.010mg  |



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|------|--------------------|---|--|---|--|
| 21   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Precision Balance with $d = 2$ mg by ABBA Cycles and Substitution method as per OIML R-111    | 50 kg   | 5mg  |
| 22   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.0001$ mg by ABBA Cycles and Substitution method as per OIML R-111 | 50 mg   | 0.0013mg   |
| 23   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.01$ mg by ABBA Cycles and Substitution method as per OIML R-111   | 500 g   | 0.08mg   |
| 24   | MECHANICAL-WEIGHTS | Mass Standards - E1 Accuracy Class and Coarser  | Using E1 Class Weights and Mass Comparator with $d = 0.0001$ mg by ABBA Cycles and Substitution method as per OIML R-111 | 500 mg  | 0.0026mg   |



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|------|--------------------|---|--|---|--|
| 25   | MECHANICAL-WEIGHTS | Mass Standards - M1 Accuracy Class and Coarser  | Using F1 Class Weights and High Precision Weighing Scale with $d = 1$ g by ABBA Cycles and Substitution method as per OIML R-111 | 100 kg  | 1g   |
| 26   | MECHANICAL-WEIGHTS | Mass Standards - M1 Accuracy Class and Coarser  | Using F1 Class Weights and High Precision Weighing Scale with $d = 2$ g by ABBA Cycles and Substitution method as per OIML R-111 | 200 kg  | 3g   |
| 27   | MECHANICAL-WEIGHTS | Mass Standards - M1 Accuracy Class and Coarser  | Using F1 Class Weights and High Precision Weighing Scale with $d = 5$ g by ABBA Cycles and Substitution method as per OIML R-111 | 500 kg  | 5g   |



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|---------------|---------------------------------------|---|--|---|--|
| Site Facility |                                       |   |  |   |  |
| 1             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 2 mg   | Using E1 Class Test Weights 1 mg to 50 kg as per OIML R-76   | >40.1 kg to 60 kg   | 5.0mg  |
| 2             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.0001 mg  | Using E1 Class Test Weights (1 mg to 200 g) as per OIML R-76 | >2.1 g to 5 g   | 0.0050mg   |
| 3             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.0001 mg  | Using E1 Class Test Weights (1 mg to 200 g) as per OIML R-76 | 0 to 2 g  | 0.0040mg   |
| 4             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.001 mg   | Using E1 Class Test Weights (1 mg to 200 g) as per OIML R-76 | >21 g to 100 g  | 0.017mg  |
| 5             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.001 mg   | Using E1 Class Test Weights (1 mg to 200 g) as per OIML R-76 | >5.1 g to 20 g  | 0.010mg  |
| 6             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.01 mg  | Using E1 Class Test Weights 1 mg to 200 g as per OIML R-76   | >101 g to 200 g   | 0.032mg  |
| 7             | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.01 mg  | Using E1 Class Test Weights 1 mg to 5 kg as per OIML R-76    | >201 g to 1000 g  | 0.161mg  |





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| 8    | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.1 mg   | Using E1 Class Test Weights 1 mg to 5 kg as per OIML R-76   | >1.1 kg to 2 kg   | 0.32mg   |
| 9    | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.1 mg   | Using E1 Class Test Weights 1 mg to 5 kg as per OIML R-76   | >2.1 kg to 5 kg   | 0.81mg   |
| 10   | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 0.2 mg   | Using E1 Class Test Weights 1 mg to 10 kg as per OIML R-76  | >5.1 kg to 10 kg  | 1.64mg   |
| 11   | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class I & Coarser, d = 1 mg   | Using E1 Class Test Weights 1 mg to 20 kg (20 kg - 2 Nos.) as per OIML R-76                                 | >10.1 kg to 40 kg   | 3.2mg  |
| 12   | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class II & Coarser, d = 10 g  | Using E1 Class Test Weights 1 mg to 50 kg & Using F1 Class Test Weights of 20 kg X 50 Nos. as per OIML R-76 | >500.1 kg to 1000 kg  | 8.6g   |
| 13   | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class II & Coarser, d = 2 g   | Using E1 Class Test Weights 1 mg to 50 kg & Using F1 Class Test Weights of 20 kg X 10 Nos. as per OIML R-76 | >100.1 kg to 200 kg   | 1.4g   |



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| 14   | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class II & Coarser, d = 1 g   | Using E1 Class Test Weights 1 mg to 50 kg & Using F1 Class Test Weights of 20 kg X 5 Nos. as per OIML R-76  | >60.1 kg to 100 kg  | 0.80g  |
| 15   | MECHANICAL-WEIGHING SCALE AND BALANCE | Weighing Balances Class II & Coarser, d = 5 g   | Using E1 Class Test Weights 1 mg to 50 kg & Using F1 Class Test Weights of 20 kg X 25 Nos. as per OIML R-76 | >200.1 kg to 500 kg   | 3.4g   |

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