

| Field of Measurement | Parameter and Range of Measurement | Calibration Measurement Uncertainty ( $\pm$ ) | Standard/Test Method Technique/Equipment                                |
|----------------------|------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------|
| 2. Mass              | <b>Conventional Mass Class F1</b>  |                                               | In-house Method CP-P1003 based on OIML-R111 by comparison method (ABBA) |
|                      | 1 mg to 10 kg                      |                                               |                                                                         |
|                      | 1mg                                | 6.0 $\mu$ g                                   |                                                                         |
|                      | 2 mg                               | 6.0 $\mu$ g                                   |                                                                         |
|                      | 5 mg                               | 6.0 $\mu$ g                                   |                                                                         |
|                      | 10 mg                              | 8.0 $\mu$ g                                   |                                                                         |
|                      | 20 mg                              | 10 $\mu$ g                                    |                                                                         |
|                      | 50 mg                              | 12 $\mu$ g                                    |                                                                         |
|                      | 100 mg                             | 16 $\mu$ g                                    |                                                                         |
|                      | 200 mg                             | 20 $\mu$ g                                    |                                                                         |
|                      | 500 mg                             | 25 $\mu$ g                                    |                                                                         |
|                      | 1 g                                | 30 $\mu$ g                                    |                                                                         |
|                      | 2 g                                | 40 $\mu$ g                                    |                                                                         |
|                      | 5 g                                | 50 $\mu$ g                                    |                                                                         |
|                      | 10 g                               | 60 $\mu$ g                                    |                                                                         |
|                      | 20 g                               | 80 $\mu$ g                                    |                                                                         |
|                      | 50 g                               | 0.10 mg                                       |                                                                         |
|                      | 100 g                              | 0.16 mg                                       |                                                                         |
|                      | 200 g                              | 0.30 mg                                       |                                                                         |
|                      | 500 g                              | 0.80 mg                                       |                                                                         |
|                      | 1 kg                               | 1.6 mg                                        |                                                                         |
|                      | 2 kg                               | 3.0 mg                                        |                                                                         |
|                      | 5 kg                               | 8.0 mg                                        |                                                                         |
|                      | 10 kg                              | 16 mg                                         |                                                                         |
|                      | <b>Conventional mass</b>           |                                               |                                                                         |
|                      | 20 kg                              | 60 mg                                         |                                                                         |
|                      | 50 kg                              | 8.0 g                                         |                                                                         |
|                      | 1 mg to 10 mg                      | 8.0 $\mu$ g                                   |                                                                         |
|                      | > 10 mg to 20 mg                   | 10 $\mu$ g                                    |                                                                         |
|                      | > 20 mg to 50 mg                   | 12 $\mu$ g                                    |                                                                         |
|                      | > 50 mg to 100 mg                  | 16 $\mu$ g                                    |                                                                         |
|                      | > 100 mg to 200 mg                 | 20 $\mu$ g                                    |                                                                         |
|                      | > 200 mg to 500 mg                 | 25 $\mu$ g                                    |                                                                         |
|                      | > 500 mg to 1 g                    | 30 $\mu$ g                                    |                                                                         |
|                      | > 1 g to 2 g                       | 40 $\mu$ g                                    |                                                                         |
|                      | > 2 g to 5 g                       | 50 $\mu$ g                                    |                                                                         |
|                      | > 5 g to 10 g                      | 60 $\mu$ g                                    |                                                                         |
|                      | > 10 g to 20 g                     | 80 $\mu$ g                                    |                                                                         |
|                      | > 20 g to 50 g                     | 0.10 mg                                       |                                                                         |
|                      | > 50 g to 100 g                    | 0.16 mg                                       |                                                                         |
|                      | > 100 g to 200 g                   | 0.40 mg                                       |                                                                         |
|                      | > 200 g to 500 g                   | 0.80 mg                                       |                                                                         |
|                      | > 500 g to 1 kg                    | 1.6 mg                                        |                                                                         |
|                      | > 1 kg to 2 kg                     | 3.0 mg                                        |                                                                         |
|                      | > 2 kg to 5 kg                     | 10 mg                                         |                                                                         |
|                      | > 5 kg to 10 kg                    | 18 mg                                         |                                                                         |
|                      | > 10 kg to 20 kg                   | 60 mg                                         |                                                                         |
|                      | > 20 kg to 30 kg                   | 65 mg                                         |                                                                         |
|                      | > 30 kg to 60 kg                   | 10 g                                          |                                                                         |

| Field of Measurement | Parameter and Range of Measurement                                                                                                                                                                                                                                                                                | Calibration Measurement<br>Uncertainty ( $\pm$ )                                                                                          | Standard/Test Method<br>Technique/Equipment       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 2. Mass (Cont.)      | <b>Electronic balance and comparator balance</b><br>1 g to 10 g<br>> 10 g to 40 g<br>> 40 g to 100 g<br>> 100 g to 200 g<br>> 200 g to 500 g<br>> 500 g to 1 kg<br>> 1 kg to 3 kg<br>> 3 kg to 30 kg<br>> 30 kg to 60 kg<br>> 60 kg to 150 kg<br>> 150 kg to 250 kg<br>> 250 kg to 600 kg<br>> 600 kg to 2 000 kg | 20 $\mu$ g<br>60 $\mu$ g<br>0.20 mg<br>0.30 mg<br>1.0 mg<br>1.5 mg<br>10 mg<br>0.10 g<br>5.0 g<br>0.10 kg<br>0.11 kg<br>0.23 kg<br>5.0 kg | In-house method: CP-P1004<br>based on UKAS LAB 14 |