



# **ASPHALT BINDER**

## **Section 13 – Accuracy Verification of Electronic Balance**

# **Verification of Accuracy of Electronic General Purpose Balance**

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## **➤ Procedure**

- ▶ Set up the balance in a location away from drafts or excessive air movement that might affect the read-out.**
- ▶ Level the balance and if weighing in water, observe that the suspension apparatus is free of any obstructions that might affect its movement.**

## **Procedure (continued)**

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- ▶ **For balances with anticipated usage of 10,000 grams or less, the verification weights will be 100 grams, 1000 grams, 5000 grams and 10,000 grams.**
- ▶ **For balances with anticipated usage of 10,000 or more, the verification weights will be 5000 grams, 10,000 grams and 15,000 grams.**
- ▶ **If one balance is to be used for both of the listed ranges verify using all weights.**

## **Procedure (continued)**

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- ▶ **Place the weight for each verification in five locations (the center and four corners) of the balance using the full range and record the actual weight obtained.**
- ▶ **Allowable tolerance for each verification is + or – 0.1% of the weight used.**

## **Procedure (continued)**

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- ▶ **If any recorded weight exceeds the allowable range discontinued use of the balance until the balance is calibrated or repaired and a complete new verification is performed.**
- ▶ **copies of all worksheets will be signed by the individual performing the verification and will be kept with the balance.**

# Scales

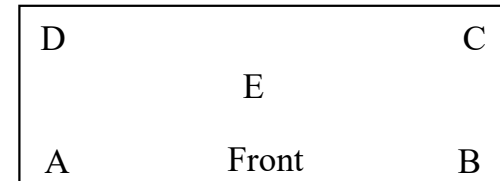


# Balance Verification Worksheet

Manufacturer: METTLER

Model: PE 11

Serial #: J98627



Verification Weight (grams)	100	1000	5000	10,000	15,000
Tolerance (grams)	0.1	1.0	5.0	10.0	15.0
Allowable Range (grams)	99.9-100.1	999.0-1001.0	4995.0-5005.0	9990.0-10,010.0	14,985.0-15,015.0
Reading A	100.1	1000.2	5000.6	10,000.8	15,006.1
Reading B	100.0	1000.8	5000.9	10,001.4	15,007.0
Reading C	100.1	1000.7	5001.1	10,001.8	15,007.9
Reading D	100.0	1000.2	5001.6	10,003.0	15,008.4
Reading E	99.9	999.2	4998.2	9996.4	14,992.2

Meets allowable range requirements for all Verification Weights:

☐ YES ☐ NO

Date: \_\_\_\_\_

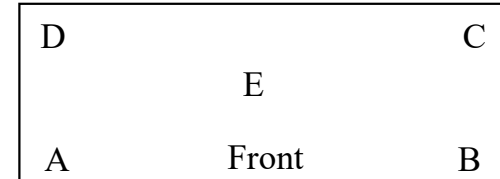
Signature: \_\_\_\_\_

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Reading A					
Reading B					
Reading C					
Reading D					
Reading E					

Meets allowable range requirements for all Verification Weights:

☐ YES ☐ NO

Date: \_\_\_\_\_

Signature: \_\_\_\_\_