

# **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

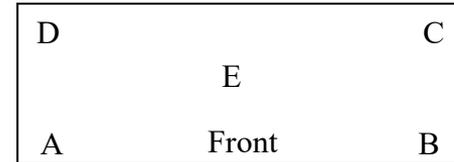


# Balance Verification Worksheet

**Manufacturer:** METTLER

**Model:** PE 11

**Serial #:** J98627



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

Meets allowable range requirements for all Verification Weights:

YES  NO

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

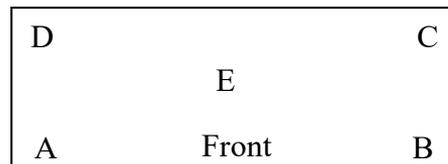
Signature: \_\_\_\_\_

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<b>Reading A</b>					
<b>Reading B</b>					
<b>Reading C</b>					
<b>Reading D</b>					
<b>Reading E</b>					

Meets allowable range requirements for all Verification Weights:

YES  NO

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

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