

**IGPG Taber Round Robin Test – Verification of Taber instruments used in the Round Robin test by utilizing the Taber calibration verification kit**

The scope of this verification is to check whether the instruments used in the IGPG round robin test are within calibration or otherwise are a source for the observed variation in results on testing plastics with the rotary platform abraser due to not proper abraser arm alignment, not proper wheel tracking, irregular bearing wear, or not enough vacuum suction force.

The verification tests are described in the Calibration Verification Kit for Rotary Platform Abraser Manual from Taber Industries.

Short description of the verification tests (copied from the manual):

**Summary of Tests and Inspections**

Verification Test #1

Both Arms, 1000-gram load, 1 cycle

Verification Test #2

Left Arm only, 500-gram load, 15 cycles

Verification Test #3

Right Arm only, 500-gram load, 15 cycles

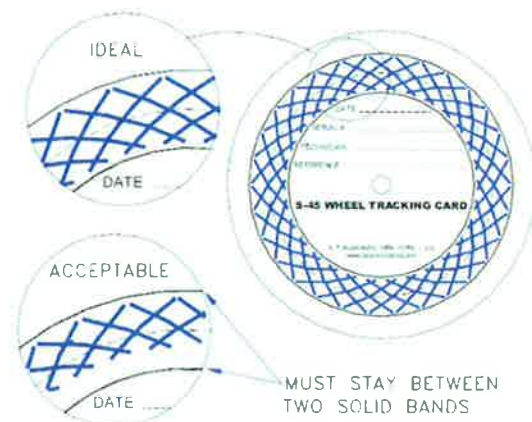
Vacuum System Evaluation Test

- Inspection #1 Vacuum Pick-Up Nozzle Port Flatness
- Inspection #2 Table Flatness
- Inspection #3 Turntable Speed
- Inspection #4 Accessory Weight

**PASS / FAIL CRITERIA:**

**For Verification Test #1**

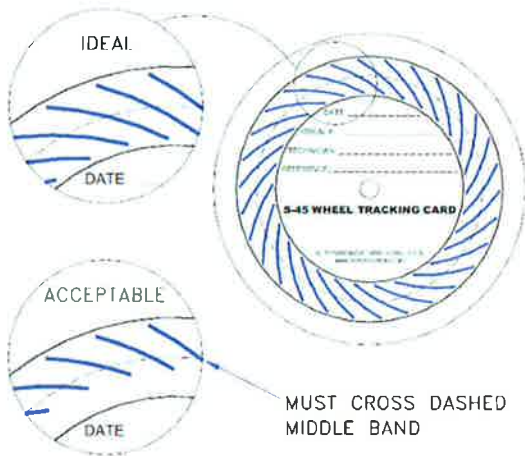
The tracking pattern left by the wheels should show a consistent pattern between the two solid bands (see figure 5).



**PASS / FAIL CRITERIA:**

**For Verification Test #2 & Test #3**

The tracking pattern left by the wheel should show a consistent pattern that crosses over the dashed middle band (see figure 7). Note: The following tracking patterns are representative of the LEFT ARM test. For the right arm tests, the pattern will be reversed.



**VACUUM TEST PASS / FAIL CRITERIA**

At a setting of 100, the reading on the vacuum gage must not be lower than 55 inches of water column (137 millibar).

**INSPECTION #1**

**Vacuum Pick-Up Nozzle Port Wear Inspection for Flatness**

A visual inspection of the underside of the vacuum pick-up nozzle is sufficient to determine if a worn condition exists. If more than 1/8" material is worn, the vacuum pick-up nozzle should be replaced.

**INSPECTION #2**

**Table Flatness Evaluation**

The turntable platform should rotate in the plane of its surface with no visible wobble. This can be checked with a dial indicator (not included) to make sure it runs true within two thousandths of an inch at the top outer edge.

**INSPECTION #3**

**Turntable Speed**

The turntable platform should rotate at a fixed and constant speed. This can be verified with a tachometer (not included) as 72 ±2rpm for 110v/60Hz or 60 ±2rpm for 230v/50Hz.

**INSPECTION #4**

**Accessory Weight**

The Taber Abraser includes precision stainless steel weight sets. When mounted to the abrading arm, they provide standard loads of 500 and 1000 grams on the abrading wheel.

The weights can be verified using a calibrated scale.

- For 500 gram wheel load, the weight labeled 500 gram shall be 250 ±1 grams.
- For 1000 gram wheel load, the weight labeled 1000 gram shall be 750 ±1 grams.

The following results regarding instrument check using the Taber calibration verification kit include a.) an overview and b.) the individual reports and tracking card images.

Particularity Test Description	Test equipment serial no.	Verification status			Vacuum system calibration	Inspection Report			
		no. 1	no. 2	no. 3		no. 1	no. 2	no. 3	no. 4
1	968627	ok	ok	ok	67 inch	ok	ok	ok	ok
2	894601	ok	ok	ok	68 inch	ok	- *	- *	ok
3	20001106	ok	ok	ok	61 inch	ok	ok	ok	ok

4	904928	ok	ok	ok	65 inch	ok	ok	ok	ok
5	791463	ok	ok	ok	62 inch	ok	ok	ok	ok
6	20081633	ok	ok	ok	61 inch	ok	ok	ok	ok
7	904865	ok	ok	ok	72 inch	ok	ok	ok	ok
8	955822-8	ok	ok	ok	68 inch	ok	ok	ok	ok
9									
10	771189	ok	ok	ok	60 inch	ok	ok	ok	ok
11	71000	ok	ok	ok	55 inch	ok	ok	ok	ok

\* equipment not included in the kit

# Calibration Verification Record

COMPANY: <b>lab no. 1</b>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <b>Model 5150</b>
VACUUM MODEL: <b>5130-70</b>	SERIAL NUMBER: <b>969627</b>

**VERIFICATION TEST #1:**  
*Both Arms (1000g, 1 Cycle)*

- TABLE 1**
- Acceptable
  - Failed, Outside Of Solid Bands

- TABLE 2\***
- Acceptable
  - Failed, Outside Of Solid Bands

**VERIFICATION TEST #2:**  
*Left Arm Only (500g, 15 Cycles)*

- TABLE 1**
- Acceptable
  - Failed To Cross Dashed Middle Band

- TABLE 2\***
- Acceptable
  - Failed To Cross Dashed Middle Band

**VERIFICATION TEST #3:**  
*Right Arm Only (500g, 15 Cycles)*

- TABLE 1**
- Acceptable
  - Failed To Cross Dashed Middle Band

- TABLE 2\***
- Acceptable
  - Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: 67"       Acceptable       Low       High

**INSPECTION #1:**  
Vacuum Pick-Up Nozzle Wear

- |                  |  |   |
|------------------|--|---|
| <b>NOZZLE 1</b>  | <input checked="" type="checkbox"/> No Problem Found | <input type="checkbox"/> Excessive Wear |
| <b>NOZZLE 2*</b> | <input type="checkbox"/> No Problem Found            | <input type="checkbox"/> Excessive Wear |

**INSPECTION #2:**  
Specimen Table Flatness

- |  |  |
|--|--|
| <b>TABLE 1</b>                                       | <b>TABLE 2*</b>                              |
| <input checked="" type="checkbox"/> No Problem Found | <input type="checkbox"/> No Problem Found    |
| <input type="checkbox"/> Greater Than 0.002"         | <input type="checkbox"/> Greater Than 0.002" |

**INSPECTION #3:**  
Specimen Table Speed

- |  |  |
|--|--|
| <b>TABLE 1</b>                                       | <b>TABLE 2*</b>                                |
| <input checked="" type="checkbox"/> No Problem Found | <input type="checkbox"/> No Problem Found      |
| <input type="checkbox"/> Failed, Outside ±2rpm       | <input type="checkbox"/> Failed, Outside ±2rpm |

**INSPECTION #4:**  
WEIGHT MEASUREMENT

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Acceptable | 500g Weight Set (250g Actual) _____; _____; _____ |
| <input type="checkbox"/> Unacceptable          |   |

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Acceptable | 1000g Weight Set (750g Actual) _____; _____; _____ |
| <input type="checkbox"/> Unacceptable          | (Measure Each Weight Separately And Record Values) |

*\*Only Applicable On Dual Abrasers*

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations



# Calibration Verification Record

COMPANY: <u>lab no. 2</u>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: _____
VACUUM MODEL: <u>P/N 121 1278</u>	SERIAL NUMBER: <u>89 4601</u>

**VERIFICATION TEST #1:**  
*Both Arms (1000g, 1 Cycle)*

**TABLE 1**  
 Acceptable  
 Failed, Outside Of Solid Bands

**TABLE 2\***  
 Acceptable  
 Failed, Outside Of Solid Bands

**VERIFICATION TEST #2:**  
*Left Arm Only (500g, 15 Cycles)*

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VERIFICATION TEST #3:**  
*Right Arm Only (500g, 15 Cycles)*

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: 68       Acceptable       Low       High

**INSPECTION #1:**  
Vacuum Pick-Up Nozzle Wear

**NOZZLE 1**  
 No Problem Found

**NOZZLE 2\***  
 No Problem Found

Excessive Wear  
 Excessive Wear

**INSPECTION #2:** N/A  
Specimen Table Flatness

**TABLE 1**  
 No Problem Found  
 Greater Than  $\square.002^*$

**TABLE 2\***  
 No Problem Found  
 Greater Than 0.002"

**INSPECTION #3:** N/A  
Specimen Table Speed

**TABLE 1**  
 No Problem Found  
 Failed, Outside  $\pm 2$ rpm

**TABLE 2\***  
 No Problem Found  
 Failed, Outside  $\pm 2$ rpm

**INSPECTION #4:**  
WEIGHT MEASUREMENT

Acceptable  
 Unacceptable

500g Weight Set (250g Actual) 250.0, 254.0, 254.0, 250.0

Acceptable  
 Unacceptable

1000g Weight Set (750g Actual) 750.1, 759.0, 759.0, 750.1  
 (Measure Each Weight Separately And Record Values)

\*Only Applicable On Dual Abrasers

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations

DATE \_\_\_\_\_  
SERIAL # 894601  
TECHNICIAN LAB 2  
REFERENCE GRSG-10PG  
TEST 1 \_\_\_\_\_  
**S-45 WHEEL TRACKING CARD**  
**TABER**  
INDUSTRIES  
N. TONAWANDA, NEW YORK, U.S.A.  
www.taberindustries.com

DATE \_\_\_\_\_  
SERIAL # 894601  
TECHNICIAN LAB 2  
REFERENCE GRSG-10PG  
TEST 2 \_\_\_\_\_  
**S-45 WHEEL TRACKING CARD**  
**TABER**  
INDUSTRIES  
N. TONAWANDA, NEW YORK, U.S.A.  
www.taberindustries.com

DATE \_\_\_\_\_  
SERIAL # 894601  
TECHNICIAN \_\_\_\_\_  
REFERENCE GRSG-10PG  
TEST 3 \_\_\_\_\_  
**S-45 WHEEL TRACKING CARD**  
**TABER**  
INDUSTRIES  
N. TONAWANDA, NEW YORK, U.S.A.  
www.taberindustries.com

# Calibration Verification Record

COMPANY: <b>lab no. 3</b>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <u>S131</u>
VACUUM MODEL: <u>PIN. 127788</u>	SERIAL NUMBER: <u>2000 1106</u>

VERIFICATION TEST #1:  
Both Arms (1000g, 1 Cycle)

**TABLE 1**  
 Acceptable  
 Failed, Outside Of Solid Bands

**TABLE 2\***  
 Acceptable  
 Failed, Outside Of Solid Bands

VERIFICATION TEST #2:  
Left Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

VERIFICATION TEST #3:  
Right Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: -6.1 inches of water column     Acceptable     Low     High

INSPECTION #1:  
Vacuum Pick-Up Nozzle Wear

**NOZZLE 1**     No Problem Found     Excessive Wear  
**NOZZLE 2\***     No Problem Found     Excessive Wear

INSPECTION #2:  
Specimen Table Flatness

**TABLE 1**     No Problem Found     No Problem Found  
 Greater Than 0.002"     Greater Than 0.002"

INSPECTION #3:  
Specimen Table Speed

**TABLE 1**     No Problem Found     No Problem Found  
 Failed, Outside ±2rpm     Failed, Outside ±2rpm

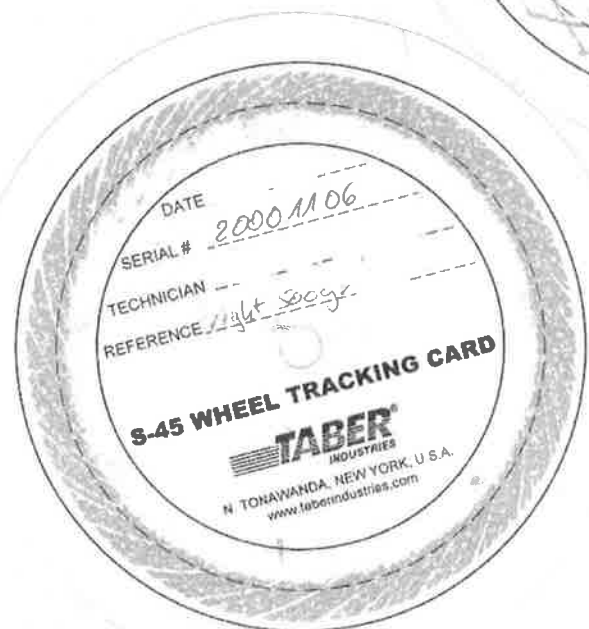
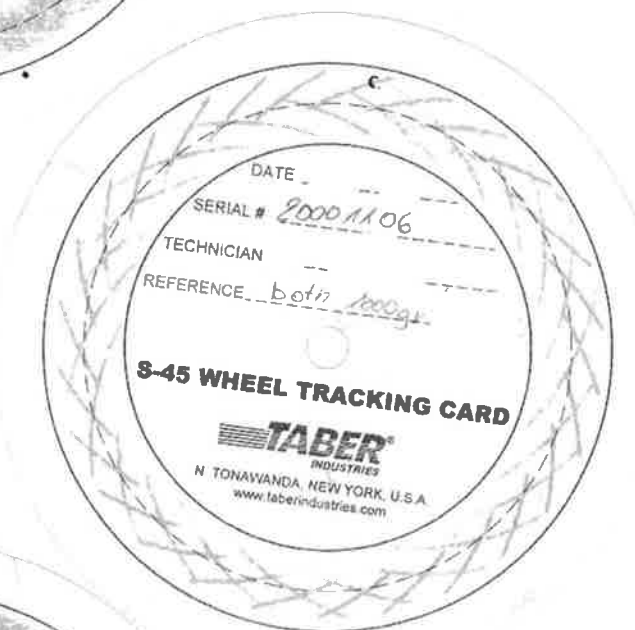
INSPECTION #4:  
WEIGHT MEASUREMENT

Acceptable    500g Weight Set (250g Actual) 500.1; 500.1; 500.1  
 Unacceptable  
 Acceptable    1000g Weight Set (750g Actual) 1000.1; 1000.1; 1000.1  
 Unacceptable    (Measure Each Weight Separately And Record Values)

\*Only Applicable On Dual Abrasers

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations





# Calibration Verification Record

COMPANY: <b>lab no. 4</b>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <b>5130</b>
VACUUM MODEL: <b>12127</b>	SERIAL NUMBER: <b>904928</b>

**VERIFICATION TEST #1:**  
Both Arms (1000g, 1 Cycle)

**TABLE 1**  
 Acceptable  
 Failed, Outside Of Solid Bands

~~**TABLE 2\***  
 Acceptable  
 Failed, Outside Of Solid Bands~~

**VERIFICATION TEST #2:**  
Left Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

~~**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band~~

**VERIFICATION TEST #3:**  
Right Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

~~**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band~~

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: **65 in. Hg**     Acceptable     Low     High

**INSPECTION #1:**  
Vacuum Pick-Up Nozzle Wear

**NOZZLE 1**     No Problem Found  
**NOZZLE 2\***     No Problem Found

Excessive Wear  
 Excessive Wear

**INSPECTION #2:**  
Specimen Table Flatness

**TABLE 1**  
 No Problem Found  
 Greater Than 0.002"

~~**TABLE 2\***  
 No Problem Found  
 Greater Than 0.002"~~

**INSPECTION #3:**  
Specimen Table Speed

**TABLE 1**  
 No Problem Found  
 Failed, Outside ±2rpm

~~**TABLE 2\***  
 No Problem Found  
 Failed, Outside ±2rpm~~

**INSPECTION #4:**  
WEIGHT MEASUREMENT

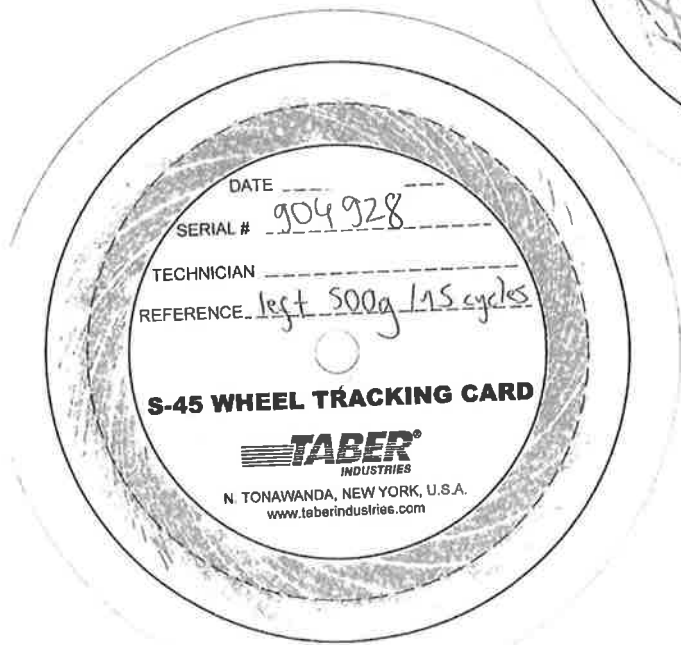
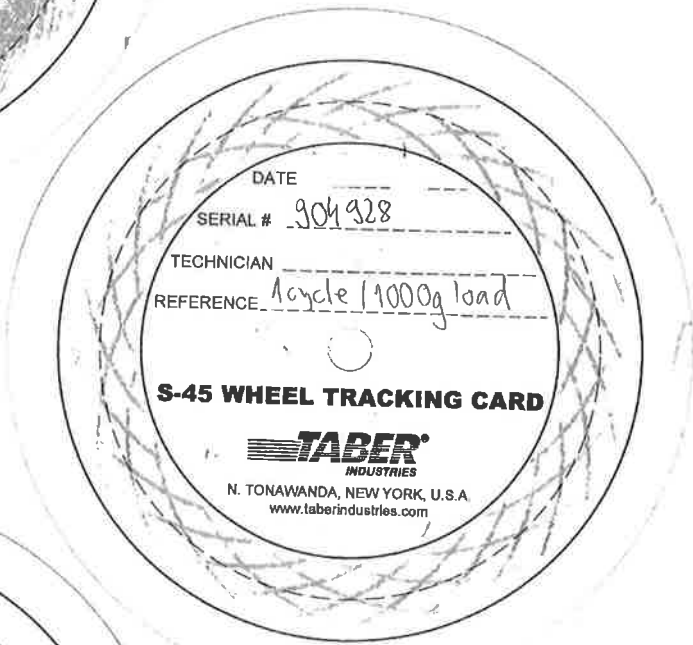
Acceptable  
 Unacceptable  
 Acceptable  
 Unacceptable

500g Weight Set (250g Actual) 250.0

1000g Weight Set (750g Actual) 750.0  
 (Measure Each Weight Separately And Record Values)

\*Only Applicable On Dual Abrasers

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations



# Calibration Verification Record

COMPANY: lab no. 5	OPERATOR: _____
INSTRUMENT REFERENCE: <u>730 2003</u>	DATE: _____
LOCATION: _____	ABRASER: <u>Modell 503</u>
VACUUM MODEL: <u>Taber 52722-54</u>	SERIAL NUMBER: <u>791 463</u>

VERIFICATION TEST #1:  
*Both Arms (1000g, 1 Cycle)*

TABLE 1  
 Acceptable  
 Failed, Outside Of Solid Bands

TABLE 2\*  
 Acceptable  
 Failed, Outside Of Solid Bands

VERIFICATION TEST #2:  
*Left Arm Only (500g, 15 Cycles)*

TABLE 1  
 Acceptable  
 Failed To Cross Dashed Middle Band

TABLE 2\*  
 Acceptable  
 Failed To Cross Dashed Middle Band

VERIFICATION TEST #3:  
*Right Arm Only (500g, 15 Cycles)*

TABLE 1  
 Acceptable  
 Failed To Cross Dashed Middle Band

TABLE 2\*  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: -62 in H<sub>2</sub>O     Acceptable     Low     High

INSPECTION #1:  
Vacuum Pick-Up Nozzle Wear

NOZZLE 1     No Problem Found  
 NOZZLE 2\*     No Problem Found

Excessive Wear  
 Excessive Wear

INSPECTION #2:  
Specimen Table Flatness

TABLE 1  
 No Problem Found  
 Greater Than 0.002"

TABLE 2\*  
 No Problem Found  
 Greater Than 0.002"

INSPECTION #3:  
Specimen Table Speed

TABLE 1  
 No Problem Found  
 Failed, Outside ±2rpm

TABLE 2\*  
 No Problem Found  
 Failed, Outside ±2rpm

INSPECTION #4:  
WEIGHT MEASUREMENT

Acceptable  
 Unacceptable  
 Acceptable  
 Unacceptable

500g Weight Set (250g Actual) 250.4 250.5 ; \_\_\_\_\_

1000g Weight Set (750g Actual) 750.4 750.5 ; \_\_\_\_\_  
 (Measure Each Weight Separately And Record Values)

\*Only Applicable On Dual Abrasers

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations

DATE \_\_\_\_\_  
SERIAL # 791 463  
TECHNICIAN \_\_\_\_\_  
REFERENCE both 1000g 1circle  
**S-45 WHEEL TRACKING CARD**  
**TABER**  
INDUSTRIES  
N. TONAWANDA, NEW YORK, U.S.A  
www.taberindustries.com

DATE \_\_\_\_\_  
SERIAL # 791 463  
TECHNICIAN \_\_\_\_\_  
REFERENCE right 500g 15circle  
**S-45 WHEEL TRACKING CARD**  
**TABER**  
INDUSTRIES  
N. TONAWANDA, NEW YORK, U.S.A  
www.taberindustries.com

DATE \_\_\_\_\_  
SERIAL # 791 463  
TECHNICIAN \_\_\_\_\_  
REFERENCE left 500g 15circle  
**S-45 WHEEL TRACKING CARD**  
**TABER**  
INDUSTRIES  
N. TONAWANDA, NEW YORK, U.S.A  
www.taberindustries.com

# Calibration Verification Record

COMPANY: <u>lab no. 6</u>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <u>S135</u>
VACUUM MODEL: <u>Abraser Vacuum Unit 127788</u>	SERIAL NUMBER: <u>20081633</u>

**VERIFICATION TEST #1:**  
Both Arms (1000g, 1 Cycle)

**TABLE 1**  
 Acceptable  
 Failed, Outside Of Solid Bands

**TABLE 2\***  
 Acceptable  
 Failed, Outside Of Solid Bands

**VERIFICATION TEST #2:**  
Left Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VERIFICATION TEST #3:**  
Right Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: 61       Acceptable       Low       High

**INSPECTION #1:**  
Vacuum Pick-Up Nozzle Wear

**NOZZLE 1**  
 No Problem Found  
 No Problem Found

Excessive Wear  
 Excessive Wear

**INSPECTION #2:**  
Specimen Table Flatness

**TABLE 1**  
 No Problem Found  
 Greater Than 0.002"

**TABLE 2\***  
 No Problem Found  
 Greater Than 0.002"

**INSPECTION #3:**  
Specimen Table Speed

**TABLE 1**  
 No Problem Found  
 Failed, Outside ±2rpm

**TABLE 2\***  
 No Problem Found  
 Failed, Outside ±2rpm

**INSPECTION #4:**  
WEIGHT MEASUREMENT

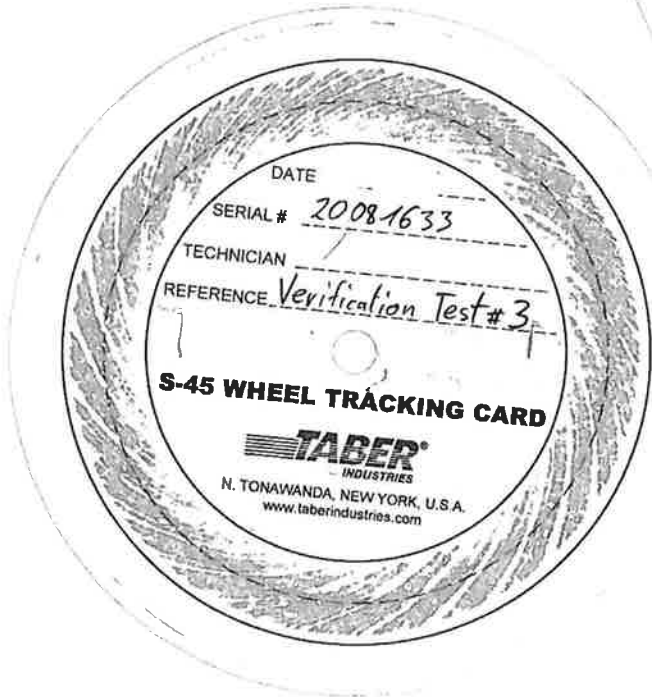
Acceptable  
 Unacceptable  
  
 Acceptable  
 Unacceptable

500g Weight Set (250g Actual) 250.0g : 250.0g

1000g Weight Set (750g Actual) 750.0g : 750.0g  
(Measure Each Weight Separately And Record Values)

\*Only Applicable On Dual Abrasers

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations



# Calibration Verification Record

COMPANY: <u>lab no. 7</u>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: _____
VACUUM MODEL: <u>Abraser Vacuum Unit</u>	SERIAL NUMBER: <u>12 1127</u>
<u>by Shop-Vac</u>	

<b>VERIFICATION TEST #1:</b> Both Arms (1000g, 1 Cycle)	<b>TABLE 1</b> <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Failed, Outside Of Solid Bands	<b>TABLE 2*</b> <input type="checkbox"/> Acceptable <input type="checkbox"/> Failed, Outside Of Solid Bands
<b>VERIFICATION TEST #2:</b> Left Arm Only (500g, 15 Cycles)	<b>TABLE 1</b> <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band	<b>TABLE 2*</b> <input type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band
<b>VERIFICATION TEST #3:</b> Right Arm Only (500g, 15 Cycles)	<b>TABLE 1</b> <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band	<b>TABLE 2*</b> <input type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**  
 Vacuum Gauge Reading: 72 inch     Acceptable     Low     High

<b>INSPECTION #1:</b> Vacuum Pick-Up Nozzle Wear	<b>NOZZLE 1</b> <input checked="" type="checkbox"/> No Problem Found <input type="checkbox"/> Excessive Wear	<b>NOZZLE 2*</b> <input checked="" type="checkbox"/> No Problem Found <input type="checkbox"/> Excessive Wear
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<b>INSPECTION #2:</b> Specimen Table Flatness	<b>TABLE 1</b> <input checked="" type="checkbox"/> No Problem Found <u>0.0012"</u> <input type="checkbox"/> greater Than <input type="checkbox"/> 0.002"	<b>TABLE 2*</b> <input type="checkbox"/> No Problem Found <input type="checkbox"/> Greater Than 0.002"
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<b>INSPECTION #3:</b> Specimen Table Speed	<b>TABLE 1</b> <input checked="" type="checkbox"/> No Problem Found <u>60 rpm</u> <input type="checkbox"/> Failed, Outside 12rpm	<b>TABLE 2*</b> <input type="checkbox"/> No Problem Found <input type="checkbox"/> Failed, Outside 12rpm
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<b>INSPECTION #4:</b> WEIGHT MEASUREMENT	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	500g Weight Set (250g Actual) <u>249.7</u> of <u>249.7</u> g
	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	1000g Weight Set (750g Actual) <u>749.1</u> of <u>749.2</u> g

(Measure Each Weight Separately And Record Values)

\*Only Applicable On Dual Abrasers

Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations





# Calibration Verification Record

COMPANY: <b>lab no. 8</b>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <u>Faber 352</u>
VACUUM MODEL: <u>Vacuum Unit 121127 A</u>	SERIAL NUMBER: <u>95822-8</u>

**VERIFICATION TEST #1:**  
Both Arms (1000g, 1 Cycle)

**TABLE 1**  
 Acceptable  
 Failed, Outside Of Solid Bands

**TABLE 2\***  
 Acceptable  
 Failed, Outside Of Solid Bands

**VERIFICATION TEST #2:**  
Left Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VERIFICATION TEST #3:**  
Right Arm Only (500g, 15 Cycles)

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: 68       Acceptable       Low       High

**INSPECTION #1:**  
Vacuum Pick-Up Nozzle Wear

**NOZZLE 1**       No Problem Found  
**NOZZLE 2\***       No Problem Found

Excessive Wear  
 Excessive Wear

**INSPECTION #2:**  
Specimen Table Flatness

**TABLE 1**  
 No Problem Found  
 Greater Than 0.002"

**TABLE 2\***  
 No Problem Found  
 Greater Than 0.002"

**INSPECTION #3:**  
Specimen Table Speed

**TABLE 1**  
 No Problem Found  
 Failed, Outside ±2rpm

**TABLE 2\***  
 No Problem Found  
 Failed, Outside ±2rpm

**INSPECTION #4:**  
WEIGHT MEASUREMENT

Acceptable  
 Unacceptable

500g Weight Set (250g Actual) 250.1 : 250.1

Acceptable  
 Unacceptable

1000g Weight Set (750g Actual) 749.8 : 750.0  
 (Measure Each Weight Separately And Record Values)

*\*Only Applicable On Dual Abrasers*

*Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations*



# Calibration Verification Record

COMPANY: <u>lab no. 9 &amp; 10</u>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <u>Taber Abraser 5130</u>
VACUUM MODEL: <u>Taber</u>	SERIAL NUMBER: <u>771189</u>

**VERIFICATION TEST #1:**  
*Both Arms (1000g, 1 Cycle)*

**TABLE 1**  
 Acceptable  
 Failed, Outside Of Solid Bands

**TABLE 2\***  
 Acceptable  
 Failed, Outside Of Solid Bands

**VERIFICATION TEST #2:**  
*Left Arm Only (500g, 15 Cycles)*

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VERIFICATION TEST #3:**  
*Right Arm Only (500g, 15 Cycles)*

**TABLE 1**  
 Acceptable  
 Failed To Cross Dashed Middle Band

**TABLE 2\***  
 Acceptable  
 Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**

Vacuum Gauge Reading: 60       Acceptable       Low       High

**INSPECTION #1:**  
*Vacuum Pick-Up Nozzle Wear*

**NOZZLE 1**       No Problem Found       Excessive Wear  
**NOZZLE 2\***       No Problem Found       Excessive Wear

**INSPECTION #2:**  
*Specimen Table Flatness*

**TABLE 1**       No Problem Found       Greater Than 0.002"  
 Greater Than 0.002"

**TABLE 2\***  
 No Problem Found  
 Greater Than 0.002"

**INSPECTION #3:**  
*Specimen Table Speed*

**TABLE 1**       No Problem Found  
 Failed, Outside ±2rpm

**TABLE 2\***  
 No Problem Found  
 Failed, Outside ±2rpm

**INSPECTION #4:**  
*WEIGHT MEASUREMENT*

Acceptable  
 Unacceptable

500g Weight Set (250g Actual) 250.2 / 250.2

Acceptable  
 Unacceptable

1000g Weight Set (750g Actual) 750.0 / 749.8  
 (Measure Each Weight Separately And Record Values)

*\*Only Applicable On Dual Abrasers*

*Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations.*



Both arms



Left arm



Right arm

# Calibration Verification Record

COMPANY: <u>lab no. 11</u>	OPERATOR: _____
INSTRUMENT REFERENCE: _____	DATE: _____
LOCATION: _____	ABRASER: <u>503</u>
VACUUM MODEL: <u>PIN 121127A</u>	SERIAL NUMBER: <u>7100</u>

<b>VERIFICATION TEST #1:</b> <i>Both Arms (1000g, 1 Cycle)</i>	<b>TABLE 1</b> <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Failed, Outside Of Solid Bands	<b>TABLE 2*</b> <input type="checkbox"/> Acceptable <input type="checkbox"/> Failed, Outside Of Solid Bands
<b>VERIFICATION TEST #2:</b> <i>Left Arm Only (500g, 15 Cycles)</i>	<b>TABLE 1</b> <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band	<b>TABLE 2*</b> <input type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band
<b>VERIFICATION TEST #3:</b> <i>Right Arm Only (500g, 15 Cycles)</i>	<b>TABLE 1</b> <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band	<b>TABLE 2*</b> <input type="checkbox"/> Acceptable <input type="checkbox"/> Failed To Cross Dashed Middle Band

**VACUUM SYSTEM SUCTION EVALUATION:**  
 Vacuum Gauge Reading: 55       Acceptable       Low       High

<b>INSPECTION #1:</b> Vacuum Pick-Up Nozzle Wear	<b>NOZZLE 1</b> <input checked="" type="checkbox"/> No Problem Found <input type="checkbox"/> Excessive Wear	<b>NOZZLE 2*</b> <input type="checkbox"/> No Problem Found <input type="checkbox"/> Excessive Wear
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<b>INSPECTION #2:</b> Specimen Table Flatness	<b>TABLE 1</b> <input checked="" type="checkbox"/> No Problem Found <input type="checkbox"/> Greater Than 0.002"	<b>TABLE 2*</b> <input type="checkbox"/> No Problem Found <input type="checkbox"/> Greater Than 0.002"
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<b>INSPECTION #3:</b> Specimen Table Speed	<b>TABLE 1</b> <input checked="" type="checkbox"/> No Problem Found <input type="checkbox"/> Failed, Outside ±2rpm	<b>TABLE 2*</b> <input type="checkbox"/> No Problem Found <input type="checkbox"/> Failed, Outside ±2rpm
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<b>INSPECTION #4:</b> WEIGHT MEASUREMENT	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable  <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	<i>left: 249,66g / 250,60g right</i> 500g Weight Set (250g Actual) _____; _____; _____ <i>61u/min 160 u/min</i>  1000g Weight Set (750g Actual) _____; _____; _____ (Measure Each Weight Separately And Record Values)
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\*Only Applicable On Dual Abrasers  
*left 750,38g 1750,10g right*  
*61u/min 161u/min*  
 Attach S-45 Wheel Tracking Card to the back of this form along with any notes/observations

