TEST REPORT

RECEIVED MAR 28 2008

CLIENT: **Sure Seal**
PO Box 64160
Tacoma, WA 98464

Attention: Donald Huber

Test Report No:	**759752-R2**	**Date:**	**March 18, 2008**

REVISION: SGS Report number 759752-R1 issued on September 17, 2007.

SUBJECT: Evaluation Sure Seal model number 3000 for compliance with ASSE 1072-2007. This report also applies to Sure Seal model number 2000.

SAMPLE ID: Three Sure Seal floor drain trap seals were received from client on 8/01/06 in good condition.

TEST REQUESTED: The fitting was evaluated in accordance with ASSE 1072-2007. No revisions to this report will be allowed after 90 days of the report date.

TEST DATE: 3/01/07 – 6/5/07

RESULTS: See test data on the following page.

CONCLUSION: The submitted trap seal does comply with the remaining requirements of ASSE 1072-2007.

CERTIFICATION: The tests reported here were conducted under the continuous direct supervision o of SGS U.S. Testing Company Inc., Tulsa, OK.

SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.

Pat Batterton
Hydro Mechanical Technician

S. Scott Parkhurst
Hydro Mechanical Dept. Manager

This report is issued by SGS U.S. Testing Company Inc. under its General Conditions for Testing Services, as printed on reverse side. SGS U.S. Testing's responsibility under this report is limited to proven negligence and will in no case be more than the amount of the testing fees. Except by special arrangement, samples are not retained by SGS U.S. Testing for more than 30 days. The results shown on this test report refer only to the sample(s) tested unless otherwise stated, under the conditions agreed upon. Anyone relying on this report should understand all of the details of the engagement. Neither the name, seals, marks nor insignia of SGS U.S. Testing may be used in any advertising or promotional materials without the prior written approval of SGS U.S. Testing. The test report cannot be reproduced, except in full, without prior written permission of SGS U.S. Testing Company Inc.

SGS U.S. Testing Company Inc | Consumer Services Division 1341 North 108th East Avenue, Tulsa, OK 74116 t (918) 437-8333 f (918) 437-8487 www.sgs.com

Member of the SGS Group

SGS

Test Procedure and Results

Design Requirements

1.1 Application **Pass**

This standard establishes physical requirements, performance requirements, and test procedures for barrier type floor drain trap seal protection devices. These devices are designed to help protect the floor drain trap seal by minimizing evaporation. The device will open to allow the flow of drainage and close when there is no flow.

Is the device applicable to this standard? YES

1.2.1 Description **Pass**

The device shall consist of a membrane that allows the flow of drainage to enter the plumbing drainage system. The device shall close and seal when there is no flow and maintain the seal under a neutral or positive downstream pressure.

1.2.2 Size **Pass**

The device shall be sized according to the outlet size of the floor drain. Sizes shall include 1-1/2 NPS through 6 NPS.

Size of device: 3"
Does the device comply with this section? YES

1.2.3 Flow Capacity **Pass**

The device shall permit the flow of drainage as stipulated:

Floor Drain Size		Flow Rate	
NPS	mm DN	GPM	L/m
1-1/2	40	6.0	22.7
2	50	12.0	45.4
3	80	34.0	128.7
4	100	73.0	276.4
5	125	132.0	499.8
6	150	215.0	814.0

Size of device: 3"
Flow Rate: >34 gpm
Is the device in compliance with this section? YES

1.2.4 Rating **Pass**

The device shall be related for the type of floor or floor finish in which the floor drain can be installed. Devices intended for use in floor drains receiving the discharge of grease-laden waste shall be rated for grease-laden waste.

Device Rating	SF (Shower Floor)
Is the device in compliance with this section?	YES

1.3.1 Function **Pass**

The device shall open when there is a maximum of 4 ounces of water the inlet to the device, and shall close at a downstream pressure equal to and higher than the atmosphere.

How many ounces of water did it take to open the inlet?	1 oz.
Did the valve close after the water discharged?	YES
Is the device in compliance with this section?	YES

1.3.3 Obstruction of Flow **Pass**

To prevent the collection of waste solids, the opening passageway in the device shall not have any sharp edges or protrusions which will obstruct the flow to the drainage system or result in stoppages. The device shall not obstruct access to the interior of the floor drain trap.

Is the device in compliance with this section? YES

1.3.4 Connections within Floor Drain **Pass**

The device shall connect within a floor drain that conforms to ANSI/ASME A112.6.3

Does the device connect to a drain that conforms to ANSI/ASME A112.6.3? YES

2.1 Samples Submitted **Pass**

Three devices of each size and model shall be submitted by the manufacturer.

How many samples were submitted? 3

2.2 Samples Tested **Pass**

The testing agency shall select one of each type of model and size for the testing.

How many samples were utilized in testing? 1

2.3 Drawings **Pass**

Assembly drawings, installation drawings, and other data which are needed to enable a testing agency to determine compliance with this standard shall accompany assemblies when submitted for examination and performance testing under this standard.

Was the required drawings submitted with the device? YES

2.4 Rejection **Pass**

Failure of the one device being tested shall be cause of rejection of that type or model and size.

Did the device meet the requirements of this standard? YES

3.1 Flow Test **Pass**

For testing sizes 1 ½ NPS through 3 NPS, install a floor drain that conforms to ANSI/ASME A112.6.3 in a assembly measuring 24.0 inches by 24.0 inches by 1.0 inch deep with the floor sloped to the floor drain. Install the device per manufacturer's instructions.

Flow rate used:	34 gpm
Time period the water was left flowing:	10 minutes
Was there any overflow?	NO
Is the device in compliance with this section?	YES

3.2 Evaporation Test **Pass**

The test equipment for this test shall include three vessels identified as cylinders A, B, and C. The vessels shall be the nominal pipe diameter of the device being tested, and have a minimum height of 4.0 inches and a maximum height of 12.0 inches. Attach the device to the top of vessels B and C, sealing the connection between the device and the vessel. Insert a 1/8 inch diameter wire through the opening of the device in cylinder B. Fill the three vessels with 2.0 inches of water. For the vessels with the device, manually open the device to fill the vessel with water so that there is no water on the membrane of the device. Weigh each vessel independently with a scale having an accuracy of 0.01 pounds to establish the initial weight. Place the vessels in a controlled environment for 96 hours, the environment shall be maintained at 100°F ± 5°F with 20 percent relative humidity. (A weight loss in cylinder B greater than 10 percent of the weight loss in cylinder A shall result in rejection of the device. A total weight loss at the end of the test greater than 0.01 pounds (4.5g) for cylinder C shall result in rejection of the device.)

	Cylinder A	Cylinder B	Cylinder C
Initial Weight (g)	803.30	850.45	877.68
Weight after 96 hrs. (g)	686.04	839.15	877.49
Percentage Loss, (%)	14.60	1.33	0.02
Weight Loss, (g)			0.19
Requirement		1.46, Max	4.5, Max

Is the device in compliance with this section? YES

3.3 Trap Seal Interference Test **Pass**

Install the device in a floor drain with an integral trap conforming to ANSI/ASME A112.6.3 in accordance with the device manufacturer's installation instructions. Fill the floor drain trap. With the device fully open, no portion of the device shall extend into the water seal of the floor drain trap.

Is the device in compliance with this section? YES

3.4 Opening Test **Pass**

Install the device in a floor drain conforming to ANSI/ASME A112.6.3 in accordance with the device manufacturer's installation instructions. Position a water dropper 1.0 inch above the center of the device. Add water to the membrane, one (1) drop at a time. (4 ounces of water)

How many ounces were required to open the device? 4 oz.
Is the device in compliance with this section? YES

3.5 Dirt and Debris Test **Pass**

Install the device in accordance with the device manufacturer's instructions. Remove the top grate of the floor drain. Pour 1.0 ounce of sand in the center of the device. The sand shall pass through a Number 50 sieve but not pass through a Number 120 as designated by ASTM E 11. Reinstall the grate on the floor drain. Pour 5.0 gallons of water in the center of the floor drain at a rate of 1.0 GPM with the grate in place. Subject the device to the procedure specified in section 3.2.

	Cylinder A	Cylinder B	Cylinder C
Initial Weight (g)	804.79	851.49	879.04
Weight after 96 hrs. (g)	685.97	839.84	878.81
Percentage Loss, (%)	14.76	1.37	0.03
Weight Loss, (g)			0.23
Requirement		1.47, Max	4.5, Max

Is the device in compliance with this section? YES

3.6 Floor Wax Test

Pass

Install the device in accordance with the manufacturer's instructions. Remove the top grate of the floor drain. Pour 1 cup of Johnson Diversey Signature floor wax into the center of the device. Reinstall the top grate on the floor drain. Maintain the test assembly undisturbed at ambient room temperature until the wax is dry. Flow cold water at a rate of 1.0 GPM into the floor drain and observer the opening of the device. Once the device opens, discontinue flowing water into the floor drain.

Did the device open before the overflow of water? YES
Is the device in compliance with this section? YES

3.7 Grease Test

Pass

Install the device in accordance with the device manufacturer's instructions. Prepare the 5 gallons of water with a pH of 6.0 to 8.0 and 1.0 pound of lard having a specific gravity of 0.875 ± 0.005. The solution shall be at a temperature of 155°F ± 5°F. With the floor drain cover grate in place, pour the solution in the center of the grate. Maintain the test assembly undisturbed at room temperature of a period of 4 hours. Flow cold water at a rate of 1.0 GPM into the floor drain and observe the opening of the device. Once the device opens or the water overflows discontinue the test.

Temperature of Solution: 158°F
Did the device open before the overflow of water? YES
Is the device in compliance with this section? YES

3.8 Life Cycle

Pass

Install the device in accordance with the manufacturer's instructions. Subject the device to 1250 cycles of hot water. A cycle shall constitute running water at a rate of 1.0 GPM and a temperature of 140°F ± 5°F for a period of 10 seconds, then turn off the water off for a period of 50 seconds. At the completion of the hot water cycle, subject the device to 1250 cycles of water at room temperature. Repeat the procedure form section 3.2.

	Cylinder A	Cylinder B	Cylinder C
Initial Weight (g)	803.76	850.49	878.94
Weight after 96 hrs. (g)	685.14	840.61	878.16
Percentage Loss, (%)	14.76	1.16	0.09
Weight Loss, (g)			0.78
Requirement		1.476, Max	4.5, Max

Is the device in compliance with this section? YES

3.9	**Physical Test of Membrane Material**	**Not Evaluated**
4.1.1	**Dissimilar Metals**	**NA**
4.1.2	**Internal Metallic Parts**	**NA**
4.1.3	**Non-Metallic Parts**	**Not Evaluated**
4.2.1	**Marking of Devices**	**Pass**

Name of Manufacturer: SureSeal Manufacturing
Application Designation: 1072af-gw

4.2.2 Packaging **Pass**

Name of Manufacturer: Sure Seal
Model Number: 3000
Rating for type of floor: Shower
Rated for Grease-Laden waste: YES
Floor Drain Size: 3"

4.3 Installation Instructions **Pass**

Installations instructions shall be on the packaging or packed with the device.

Is the device in compliance with this section? YES

****

End of Report

TEST REPORT

CLIENT: **Sure Seal**
PO Box 64160
Tacoma, WA 98464

Attention: Donald Huber

Test Report No:	**654:031645**	**Date:**	**April 13, 2010**

SUBJECT: Evaluation Sure Seal model number SS4009 for compliance with ASSE 1072-2007.

SAMPLE ID: Three Sure Seal floor drain trap seals were received from client on 4/5/10 in good condition.

TEST REQUESTED: The fitting was evaluated in accordance with ASSE 1072-2007. No revisions to this report will be allowed after 90 days of the report date.

TEST DATE: 4/5/10 – 4/13/10

RESULTS: See test data on the following page.

CONCLUSION: The submitted trap seal does comply with the remaining requirements of ASSE 1072-2007.

CERTIFICATION: The tests reported here were conducted under the continuous direct supervision o of SGS U.S. Testing Company Inc., Tulsa, OK.

SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.

S. Scott Parkhurst
Tulsa Technical Manager

Brian McDonald
Branch Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

SGS U.S. Testing Company Inc. | Consumer Services Division 1325 North 108th East Avenue, Tulsa, OK 74116 t (918) 437-8333 f (918) 437-8487 www.sgs.com

Member of the SGS Group

Test Procedure and Results

Design Requirements

1.1 Application **Pass**

This standard establishes physical requirements, performance requirements, and test procedures for barrier type floor drain trap seal protection devices. These devices are designed to help protect the floor drain trap seal by minimizing evaporation. The device will open to allow the flow of drainage and close when there is no flow.

Is the device applicable to this standard? YES

1.2.1 Description **Pass**

The device shall consist of a membrane that allows the flow of drainage to enter the plumbing drainage system. The device shall close and seal when there is no flow and maintain the seal under a neutral or positive downstream pressure.

1.2.2 Size **Pass**

The device shall be sized according to the outlet size of the floor drain. Sizes shall include 1-1/2 NPS through 6 NPS.

Size of device: 4"
Does the device comply with this section? YES

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days

1.2.3 Flow Capacity **Pass**

The device shall permit the flow of drainage as stipulated:

Floor Drain Size		Flow Rate	
NPS	mm DN	GPM	L/m
1-1/2	40	6.0	22.7
2	50	12.0	45.4
3	80	34.0	128.7
4	100	73.0	276.4
5	125	132.0	499.8
6	150	215.0	814.0

Size of device: 4"
Flow Rate: >73 gpm
Is the device in compliance with this section? YES

1.2.4 Rating **Pass**

The device shall be related for the type of floor or floor finish in which the floor drain can be installed. Devices intended for use in floor drains receiving the discharge of grease-laden waste shall be rated for grease-laden waste.

Device Rating SF (Shower Floor)
Is the device in compliance with this section? YES

1.3.1 Function **Pass**

The device shall open when there is a maximum of 4 ounces of water the inlet to the device, and shall close at a downstream pressure equal to and higher than the atmosphere.

How many ounces of water did it take to open the inlet? 1 oz.
Did the valve close after the water discharged? YES
Is the device in compliance with this section? YES

1.3.3 Obstruction of Flow **Pass**

To prevent the collection of waste solids, the opening passageway in the device shall not have any sharp edges or protrusions which will obstruct the flow to the drainage system or result in stoppages. The device shall not obstruct access to the interior of the floor drain trap.

Is the device in compliance with this section? YES

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days

1.3.4 Connections within Floor Drain **Pass**

The device shall connect within a floor drain that conforms to ANSI/ASME A112.6.3
Does the device connect to a drain that conforms to ANSI/ASME A112.6.3? YES

2.1 Samples Submitted **Pass**

Three devices of each size and model shall be submitted by the manufacturer.
How many samples were submitted? 3

2.2 Samples Tested **Pass**

The testing agency shall select one of each type of model and size for the testing.

How many samples were utilized in testing? 3
*Three samples were used to expedite testing. Testing under SGS Report Number 759752 verifies no deformation of product occurs when testing one sample to the applicable sections of ASSE 1072-07.

2.3 Drawings **Pass**

Assembly drawings, installation drawings, and other data which are needed to enable a testing agency to determine compliance with this standard shall accompany assemblies when submitted for examination and performance testing under this standard.

Was the required drawings submitted with the device? YES

2.4 Rejection **Pass**

Failure of the one device being tested shall be cause of rejection of that type or model and size.

Did the device meet the requirements of this standard? YES

3.1 Flow Test **Pass**

For testing sizes 1 ½ NPS through 3 NPS, install a floor drain that conforms to ANSI/ASME A112.6.3 in a assembly measuring 24.0 inches by 24.0 inches by 1.0 inch deep with the floor sloped to the floor drain. Install the device per manufacturer's instructions.

Flow rate used:	73 gpm
Time period the water was left flowing:	10 minutes
Was there any overflow?	NO
Is the device in compliance with this section?	YES

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days

3.2 Evaporation Test — Pass

The test equipment for this test shall include three vessels identified as cylinders A, B, and C. The vessels shall be the nominal pipe diameter of the device being tested, and have a minimum height of 4.0 inches and a maximum height of 12.0 inches. Attach the device to the top of vessels B and C, sealing the connection between the device and the vessel. Insert a 1/8 inch diameter wire through the opening of the device in cylinder B. Fill the three vessels with 2.0 inches of water. For the vessels with the device, manually open the device to fill the vessel with water so that there is no water on the membrane of the device. Weigh each vessel independently with a scale having an accuracy of 0.01 pounds to establish the initial weight. Place the vessels in a controlled environment for 96 hours, the environment shall be maintained at 100ºF±5ºF with 20 percent relative humidity. (A weight loss in cylinder B greater than 10 percent of the weight loss in cylinder A shall result in rejection of the device. A total weight loss at the end of the test greater than 0.01 pounds (4.5g) for cylinder C shall result in rejection of the device.)

	Cylinder A	Cylinder B	Cylinder C
Initial Weight (g)	1035.94	1045.56	1032.73
Weight after 96 hrs. (g)	973.13	980.57	1029.71
Percentage Loss, (%)	6.06	6.22	
Weight Loss, (g)			3.02
Requirement		6.67, Max	4.5, Max

Is the device in compliance with this section? YES

3.3 Trap Seal Interference Test — Pass

Install the device in a floor drain with an integral trap conforming to ANSI/ASME A112.6.3 in accordance with the device manufacturer's installation instructions. Fill the floor drain trap. With the device fully open, no portion of the device shall extend into the water seal of the floor drain trap.

Is the device in compliance with this section? YES

3.4 Opening Test — Pass

Install the device in a floor drain conforming to ANSI/ASME A112.6.3 in accordance with the device manufacturer's installation instructions. Position a water dropper 1.0 inch above the center of the device. Add water to the membrane, one (1) drop at a time. (4 ounces of water)

How many ounces were required to open the device? 4 oz.
Is the device in compliance with this section? YES

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days

3.5 Dirt and Debris Test — Pass

Install the device in accordance with the device manufacturer's instructions. Remove the top grate of the floor drain. Pour 1.0 ounce of sand in the center of the device. The sand shall pass through a Number 50 sieve but not pass through a Number 120 as designated by ASTM E 11. Reinstall the grate on the floor drain. Pour 5.0 gallons of water in the center of the floor drain at a rate of 1.0 GPM with the grate in place. Subject the device to the procedure specified in section 3.2.

	Cylinder A	Cylinder B	Cylinder C
Initial Weight (g)	1031.38	1042.74	1035.98
Weight after 96 hrs. (g)	983.42	989.45	1032.82
Percentage Loss, (%)	4.65	5.11	
Weight Loss, (g)			3.16
Requirement		5.12	4.5, Max

Is the device in compliance with this section? YES

3.6 Floor Wax Test — Pass

Install the device in accordance with the manufacturer's instructions. Remove the top grate of the floor drain. Pour 1 cup of Johnson Diversey Signature floor wax into the center of the device. Reinstall the top grate on the floor drain. Maintain the test assembly undisturbed at ambient room temperature until the wax is dry. Flow cold water at a rate of 1.0 GPM into the floor drain and observer the opening of the device. Once the device opens, discontinue flowing water into the floor drain.

Did the device open before the overflow of water? YES
Is the device in compliance with this section? YES

3.7 Grease Test — NA

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days

3.8 Life Cycle — Pass

Install the device in accordance with the manufacturer's instructions. Subject the device to 1250 cycles of hot water. A cycle shall constitute running water at a rate of 1.0 GPM and a temperature of 140°F±5°F for a period of 10 seconds, then turn off the water off for a period of 50 seconds. At the completion of the hot water cycle, subject the device to 1250 cycles of water at room temperature. Repeat the procedure form section 3.2.

	Cylinder A	Cylinder B	Cylinder C
Initial Weight (g)	1034.21	1042.74	1034.35
Weight after 96 hrs. (g)	983.42	989.45	1032.82
Percentage Loss, (%)	4.91	5.11	
Weight Loss, (g)			1.53
Requirement		5.40	4.5, Max

Is the device in compliance with this section? YES

3.9 Physical Test of Membrane Material — Not Evaluated

4.1.1 Dissimilar Metals — NA

4.1.2 Internal Metallic Parts — NA

4.1.3 Non-Metallic Parts — Not Evaluated

4.2.1 Marking of Devices — Pass

Name of Manufacturer: SureSeal Manufacturing
Application Designation: 1072af

4.2.2 Packaging — Pass

Name of Manufacturer: Sure Seal
Model Number: SS4009
Rating for type of floor: Any Floor Finish
Rated for Grease-Laden waste: YES
Floor Drain Size: 4"

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days

4.3 Installation Instructions — Pass

Installations instructions shall be on the packaging or packed with the device.

Is the device in compliance with this section? YES

****

End of Report

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days