



College of Art and Design

Image Permanence Institute

PHOTOGRAPHIC ACTIVITY TEST ISO 18916 - RESEARCH REPORT

Job 2580

DATE: 19-Feb-2021

PREPARED FOR: Anja Spitzer - Neschen Coating GmbH
 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Filmoplast P

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control: -0.88
 Upper pass/fail limit: -0.71
 Density change of material: -0.75
 Lower pass/fail limit: -1.06
 Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control: 0.11
 Stain limit: 0.19
 Density change of material: 0.11
 Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE: PASS

MUST PASS ALL CRITERIA TO PASS PAT

Note: When selecting enclosures, the PAT should be used in conjunction with ISO 18902.

This certificate is valid for this specific lot of product until any date and for subsequent lots until: **19-Feb-2022**

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DATE: 19-Feb-2021

PREPARED FOR: Anja Spitzer - Neschen Coating GmbH
 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Filmoplast P 90

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION	RESULT: PASS
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Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.79
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING	RESULT: PASS
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Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.12

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR	RESULT: PASS
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Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
-------------------------	-------------

MUST PASS ALL CRITERIA TO PASS PAT

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Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Filmoplast P 90 plus

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION RESULT: PASS

Density change of control: -0.88
Upper pass/fail limit: -0.71
Density change of material: -0.77
Lower pass/fail limit: -1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING RESULT: PASS

Density change of control: 0.11
Stain limit: 0.19
Density change of material: 0.14

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR RESULT: PASS

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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MATERIAL: Filmoplast SH

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.71
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.16

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE: PASS

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PREPARED FOR: Anja Spitzer - Neschen Coating GmbH
 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Gudy 831 Fine Art smooth

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION RESULT: PASS

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.88
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING RESULT: PASS

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.13

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR RESULT: PASS

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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PREPARED FOR: Anja Spitzer - Neschen Coating GmbH
 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Gudy 832 Fine Art textured

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION RESULT: PASS

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.89
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING RESULT: PASS

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.13

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR RESULT: PASS

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Gudy 802

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.81
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.11

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE: PASS

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 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Gudy 803

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION	RESULT: FAIL
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Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-1.11
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING	RESULT: PASS
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Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.18

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR	RESULT: PASS
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Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	FAIL
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PREPARED FOR: Anja Spitzer - Neschen Coating GmbH
 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Gudy 870

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION	RESULT: PASS
---------------------------------	---------------------

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.81
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING	RESULT: PASS
-------------------------	---------------------

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.12

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR	RESULT: PASS
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Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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MATERIAL: Gudy Dot

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.91
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.15

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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MATERIAL: Mount PP Clear

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION	RESULT: PASS
---------------------------------	---------------------

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.80
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING	RESULT: PASS
-------------------------	---------------------

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.11

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR	RESULT: PASS
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Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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MATERIAL: Gudy DS 10

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.97
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.12

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	PASS
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MATERIAL: Gudy DS 11

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION	RESULT: PASS
---------------------------------	---------------------

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.89
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING	RESULT: PASS
-------------------------	---------------------

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.12

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR	RESULT: FAIL
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Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE:	FAIL
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 Gewerbegebiet Ost/Werk II, Hans-Neschen-Straße 1, D-31675 Bückeberg

MATERIAL: Gudy DS 12

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.91
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.14

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE: PASS

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MATERIAL: Filmoplast R

CONTROL: Whatman No. 1 filter paper

SILVER IMAGE INTERACTION **RESULT: PASS**

Density change of control:	-0.88
Upper pass/fail limit:	-0.71
Density change of material:	-0.88
Lower pass/fail limit:	-1.06

Density change caused by material must be equal to density change caused by control $\pm 20\%$

GELATIN STAINING **RESULT: PASS**

Density change of control:	0.11
Stain limit:	0.19
Density change of material:	0.12

Stain caused by material must be less than stain caused by control ± 0.08

MOTTLING OF IMAGE INTERACTION DETECTOR **RESULT: PASS**

Visual assessment of uniform action

OPERATOR: Meredith Sharps

PAT PERFORMANCE: PASS

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