



Certificate of Analysis
Analyse Zertifikat
Certificat d'Analyse

Date (Datum / Date)	: 15 - 11 - 2016	
Product code (Produktnummer/ Code de produit)	: 7.978	
Product description (Umschreibung / Description du produit)	: Aquasafe FL/GR Red B	
Batch number (Ansatz / Lot de production)	: 923265	
	Specification (Spezifikation / Spécification)	Analysis (Kenndaten / Analyse)
Non volatile %age (Feststoffkörper / L'extrait sec)	: 24 ± 3 %	N/A (n/v / N/A)
Viscosity @ 21 °C (Viskosität / Viscosité)	: $25'' \pm 5''$, DIN 4	23 ''
pH @ 21 °C	: 9.0 ± 1.0	8.7
Particle Size (Teilchengröße / Granulométrie)	: $<15 \mu\text{m}$	N/A (n/v / N/A)
Colour strength (Farbstärke / La force colorante) (integrated)	: 100 ± 5 % (Compared to Standard / Vergleich zum Standard / Comparé au standard)	101.12 %
Colour difference (CMC(2:1))	: $<1 \Delta E$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	0.10 ΔE
Application/Applikation/Application: 2% Tint in Testwhite. Labrater 124 Printplate		
Specific gravity (Spezifisches Gewicht / Gravité spécifique)	: 1.05 ± 0.10 (g/ml)	N/A (n/v / N/A)

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Certificate of Analysis
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Date (Datum / Date)	: 14 - 11 - 2016	
Product code (Produktnummer/ Code de produit)	: 7.1938	
Product description (Umschreibung / Description du produit)	: Aquasafe FL/GR Matt White	
Batch number (Ansatz / Lot de production)	: 923264	
	Specification (Spezifikation / Spécification)	Analysis (Kenndaten / Analyse)
Non volatile %-age (Feststoffkörper / L'extrait sec)	: $59 \pm 3 \%$	N/A (n/v / N/A)
Viscosity @ 21 °C (Viskosität / Viscosité)	: $45'' \pm 5''$, DIN4	48''
pH @ 21 °C	: 9.5 ± 1.0	9.7
Particle Size (Teilchengröße / Granulométrie)	: $< 15 \mu\text{m}$	N/A (n/v / N/A)
Specific gravity (Spezifisches Gewicht / Gravité spécifique)	: 1.45 ± 0.10 (g/ml)	N/A (n/v / N/A)

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Date (Datum / Date)	: 15- 11 - 2016	
Product code (Produktnummer/ Code de produit)	: 7.2082	
Product description (Umschreibung / Description du produit)	: Aquasafe GR Yellow G	
Colour index (Farbe Index / Indice de couleur)	: Y 93	
Batch number (Ansatz / Lot de production)	: 923257	
	Specification (Spezifikation / Spécification)	Analysis (Kenndaten / Analyse)
Non volatile %-age (Feststoffkörper / L'extrait sec)	: $26 \pm 3 \%$	N/A (n/v / N/A)
Viscosity @ 21 °C (Viskosität / Viscosité)	: $45'' \pm 5''$, DIN4	49''
pH @ 21 °C	: 8.5 ± 1.0	8.8
Particle Size (Teilchengröße / Granulométrie)	: <15 μm	N/A (n/v / N/A)
Colour strength (Farbstärke / La force colorante) (integrated)	: $100.0 \pm 3.0 \%$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	100 %
Colour difference (CMC (2:1))	: $\leq 0.5 \Delta E$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	0.12
Application/ Applikation/ Application: 5% Buntfarbe in Weiss WR7.2456 (95:5) 12 μm mit RK-proofer auf Papier (Cresta D2 150 g/m ²) Trocknung: 1'- 90°C	$\leq 0.5 \Delta L$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	-0.14
	$\leq 0.5 \Delta a$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	0.13
	$\leq 0.5 \Delta b$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	-0.19
Specific gravity (Spezifisches Gewicht / Gravité spécifique)	: 1.10 ± 0.10 (g/ml)	N/A (n/v / N/A)

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Date : 14 - 11 - 2016

(Datum / Date)

Product code : 7.2085

(Produktnummer/ Code de produit)

Product description : Aquasafe GRBlue G

(Umschreibung / Description du produit)

Batch number : 923259

(Ansatz / Lot de production)

Specification

(Spezifikation / Spécification)

Analysis

(Kenndaten / Analyse)

Non volatile %age : $34 \pm 3 \%$

(Feststoffkörper / L'extrait sec)

N/A

(n/v / N/A)

Viscosity @ 21 °C : $45'' \pm 5''$, DIN4

(Viskosität / Viscosité)

48''

pH @ 21 °C : 8.5 ± 1.0

8.8

Particle Size : $<15 \mu\text{m}$

(Teilchengröße / Granulométrie)

N/A

(n/v / N/A)

Colour strength : $100.0 \pm 3.0 \%$

(Farbstärke / La force colorante)

(integrated)

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

99 %

Colour difference

(CMC (2:1))

: $\leq 0.5 \Delta E$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.27

Application/Applikation/Application:

5% Buntfarbe in Weiss WR7.2456 (95:5)

12 μm mit RK-proofer auf Papier (Cresta D2 150 g/m²)

Trocknung: 1'- 90°C

$\leq 0.5 \Delta L$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.34

$\leq 0.5 \Delta a$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

-0.41

$\leq 0.5 \Delta b$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

-0.35

Specific gravity : 1.10 ± 0.10 (g/ml)

(Spezifisches Gewicht / Gravité spécifique)

N/A

(n/v / N/A)

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Certificate of Analysis
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Date : 21 - 11 - 2016

(Datum / Date)

Product code : 7.2086

(Produktnummer/ Code de produit)

Product description : Aquasafe GRBlack

(Umschreibung / Description du produit)

Batch number : 923261

(Ansatz / Lot de production)

Specification

(Spezifikation / Spécification)

Analysis

(Kenndaten / Analyse)

Non volatile %age : $26 \pm 3 \%$

(Feststoffkörper / L'extrait sec)

N/A

(n/v / N/A)

Viscosity @ 21 °C : $45'' \pm 5''$, DIN4

(Viskosität / Viscosité)

46''

pH @ 21 °C : 8.5 ± 1.0

8.5

Particle Size : $<15 \mu\text{m}$

(Teilchengröße / Granulométrie)

N/A

(n/v / N/A)

Colour strength : $100.0 \pm 3.0 \%$

(Farbstärke / La force colorante)

(integrated)

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

101.8 %

Colour difference

(CMC (2:1))

: $\leq 0.5 \Delta E$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.13

Application/Applikation/Application:

5% Buntfarbe in Weiss WR7.2456 (95:5)

12 μm mit RK-proofer auf Papier (Cresta D2 150 g/m²)

Trocknung: 1'- 90°C

$\leq 0.5 \Delta L$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

-0.27

$\leq 0.5 \Delta a$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.02

$\leq 0.5 \Delta b$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.04

Specific gravity : 1.10 ± 0.10 (g/ml)

(Spezifisches Gewicht / Gravité spécifique)

N/A

(n/v / N/A)

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Date (Datum / Date)	: 14 - 11 - 2016	
Product code (Produktnummer/ Code de produit)	: 7.2087	
Product description (Umschreibung / Description du produit)	: Aquasafe GR Green	
Batch number (Ansatz / Lot de production)	: 923260	
	Specification (Spezifikation / Spécification)	Analysis (Kenndaten / Analyse)
Non volatile %age (Feststoffkörper / L'extrait sec)	: $37 \pm 3 \%$	N/A (n/v / N/A)
Viscosity @ 21 °C (Viskosität / Viscosité)	: $45'' \pm 5''$, DIN4	42''
pH @ 21 °C	: 8.5 ± 1.0	8.9
Particle Size (Teilchengröße / Granulométrie)	: <15 µm	N/A (n/v / N/A)
Colour strength (Farbstärke / La force colorante) (integrated)	: $100.0 \pm 3.0 \%$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	100 %
Colour difference (CMC (2:1))	: $\leq 0.5 \Delta E$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	0.20
Application/Applikation/Application: 5% Buntfarbe in Weiss WR7.2456 (95:5) 12 µm mit RK-proofer auf Papier (Cresta D2 150 g/m ²) Trocknung: 1'- 90°C	$\leq 0.5 \Delta L$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	0.09
	$\leq 0.5 \Delta a$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	-0.29
	$\leq 0.5 \Delta b$ (Compared to Standard / Vergleich zum Standard / Comparé au standard)	-0.28
Specific gravity (Spezifisches Gewicht / Gravité spécifique)	: 1.15 ± 0.10 (g/ml)	N/A (n/v / N/A)

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Certificate of Analysis
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Date : 16 - 11 - 2016

(Datum / Date)

Product code : 7.2088

(Produktnummer/ Code de produit)

Product description : Aquasafe GR Violet

(Umschreibung / Description du produit)

Batch number : 923262

(Ansatz / Lot de production)

Specification

(Spezifikation / Spécification)

Analysis

(Kenndaten / Analyse)

Non volatile %age : $27 \pm 3 \%$

(Feststoffkörper / L'extrait sec)

N/A

(n/v / N/A)

Viscosity @ 21 °C : $30'' \pm 5''$, DIN4

(Viskosität / Viscosité)

30''

pH @ 21 °C : 9.0 ± 1.0

8.6

Particle Size : $<15 \mu\text{m}$

(Teilchengröße / Granulométrie)

N/A

(n/v / N/A)

Colour strength : $100.0 \pm 3.0 \%$

(Farbstärke / La force colorante)

(integrated)

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

98.8 %

Colour difference

(CMC (2:1))

: $\leq 0.5 \Delta E$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.10

Application/Applikation/Application:

5% Buntfarbe in Weiss WR7.2456 (95:5)

12 μm mit RK-proofer auf Papier (Cresta D2 150 g/m²)

Trocknung: 1'- 90°C

$\leq 0.5 \Delta L$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.17

$\leq 0.5 \Delta a$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.08

$\leq 0.5 \Delta b$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.04

Specific gravity : 1.10 ± 0.10 (g/ml)

(Spezifisches Gewicht / Gravité spécifique)

N/A

(n/v / N/A)

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Certificate of Analysis
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Date : 18 - 11 - 2016

(Datum / Date)

Product code : 7.2091

(Produktnummer/ Code de produit)

Product description : Aquasafe GRMagenta

(Umschreibung / Description du produit)

Batch number : 923258

(Ansatz / Lot de production)

Specification

(Spezifikation / Spécification)

Analysis

(Kenndaten / Analyse)

Non volatile %age : $25 \pm 3 \%$

(Feststoffkörper / L'extrait sec)

N/A

(n/v / N/A)

Viscosity @ 21 °C : $45'' \pm 5''$, DIN4

(Viskosität / Viscosité)

42''

pH @ 21 °C : 9.0 ± 1.0

8.8

Particle Size : $<15 \mu\text{m}$

(Teilchengröße / Granulométrie)

N/A

(n/v / N/A)

Colour strength : $100.0 \pm 3.0 \%$

(Farbstärke / La force colorante)

(integrated)

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

101.6 %

Colour difference

(CMC (2:1))

: $\leq 0.5 \Delta E$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.13

Application/Applikation/Application:

5% Buntfarbe in Weiss WR7.2456 (95:5)

12 μm mit RK-proofer auf Papier (Cresta D2 150 g/m²)

Trocknung: 1'- 90°C

$\leq 0.5 \Delta L$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

-0.20

$\leq 0.5 \Delta a$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

0.05

$\leq 0.5 \Delta b$

(Compared to Standard / Vergleich zum Standard / Comparé au standard)

-0.17

Specific gravity : 1.05 ± 0.10 (g/ml)

(Spezifisches Gewicht / Gravité spécifique)

N/A

(n/v / N/A)

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Certificate of Analysis
Analyse Zertifikat
Certificat d'Analyse

Date (Datum / Date)	: 05 - 10 - 2016		
Product code (Produktnummer/ Code de produit)	: 7.2925		
Product description (Umschreibung / Description du produit)	: Aquasafe GR Matt Extender		
Batch number (Ansatz / Lot de production)	: 922907		
	Specification (Spezifikation / Spécification)	Analysis (Kenndaten / Analyse)	
Non volatile %-age (Feststoffkörper / L'extrait sec)	: 33 ± 3 %	N/A (n/v / N/A)	
Viscosity (100 7.2925 + 50 H ₂ O) @ 21 °C (Viskosität / Viscosité)	: 43" ± 5", DIN3	44 "	
pH @ 21 °C	: 9.0 ± 1.0	9.9	
Particle Size (Teilchengröße / Granulométrie)	: <15 µm	N/A (n/v / N/A)	
Washability / Waschbarkeit / Lavabilité (EN233)	: 	Pass/ i.O. / Passe	
	(Visual inspection / Visuelle Inspektion / Inspection visuelle)		
Application/Applikation/Application	: 100 + 50 (Extender + water) 12µm on paper (Cresta D2 150g/m ²) Drying: 1' - 90°C		
Specific gravity (Spezifisches Gewicht / Gravité spécifique)	: 1.10 ± 0.10 (g/ml)	N/A (n/v / N/A)	
Gloss 60° (Glanz/Brillance) (Byk Gardner)	: Std. ± 2.0	2.2 Std.	2.4 Batch
Application/Applikation/Application	: 100 + 50 (Extender + water) 12µm on paper (Cresta D2 150g/m ²) Drying: 1' - 90°C		

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