



SGS INSTITUT FRESENIUS GmbH• Postfach 1261 • 65220 Taunusstein

WEPA Hygieneprodukte GmbH Mrs. Dr. Stefanie Zumdick Rönckhauser Str. 26 DE-59757 Arnsberg Zamien Sarkardeh / sl Project Manager Hardlines Tel.: +49 6128 744-385, Fax: +49 6128 744-534 Zamien.Sarkardeh@sgs.com Consumer and Retail Nonfood

pass

Taunusstein, 03/03/2017

Test-report no. 3277960 Test-report version < 1 >

Original Sample ID	Sample Description	Sample Receipt Date
170113099	WEPA Hand Towel Tissue, Recycling, 2ply, white	01/02/2017

* 3 2 7 7 9 6 0 *

General Information

SGS-Client´s ID	:	1453600
SGS-Customer-Order	:	4044886
Ordering date	:	31/01/2017
Testing period	:	06/02/2017 – 27/02/2017
Order No.	:	21654495-000-OJ
Testing scope	:	Test according to client's requirements

Assessment

Overall assessment

The tested sample meets the requirements of LFGB and Regulation (EC) No. 1935/2004 in the tested items.

SGS INSTITUT FRESENIUS GmbH

i. A. Eleonore Niedenthal (Project Manager)

294	
Alle	\geq
i. A. Zamien Sarkardeh	
(Project Manager)	

R:\W\Wepa Hygieneprodukte GmbH_1453600\2017\4044886_Hygienepapiere\PB_3277960_4044886_eng.doc

page 1 / 8

SGS INSTITUT FRESENIUS GmbH | Im Maisel 14 D-65232 Taunusstein t+49 6128 744 - 0 f+49 6128 744 - 130 www.institut-fresenius.sgsgroup.de

Member of the SGS Group (Société Générale de Surveillance)

Die Prüfergebnisse beziehen sich auf die untersuchten Proben. Die Veröffentlichung und Vervielfältigung unserer Prüfberichte und Gutachten zu Werbezwecken sowie deren auszugsweise Verwendung in sonstigen Fällen bedürfen unserer schriftlichen Genehmigung. Alle Dienstleistungen werden auf Grundlage der anwendbaren Allgemeinen Geschäftsbedingungen der SGS, die auf Anfrage zur Verfügung gestellt werden, erbracht.

Geschäftsführer: Stefan Steinhardt, Aufsichtsratvorsitzender: Dirk Hellemans, Sitz der Gesellschaft: Taunusstein, HRB 21543 Amtsgericht Wiesbaden



Test report no. 3277960

WEPA Hygieneprodukte GmbH	SGS Order No.: 4044886
Rönckhauser Str. 26	Date: 03/03/2017
DE-59757 Arnsberg	Page 2/8

Summary of results

Test	Result	
extractable heavy metals	pass	
formaldehyde	pass	
glyoxal	pass	
Primary aromatic amines	pass	
Specific migration of plasticizers	pass	
bisphenol A (2,2-bis(4-hydroxyphenyl)propane)	pass	
benzophenone	pass	
Release of optical brigtheners	pass	
2,6-diisopropyInaphthalene (DIPN)	pass	
Agar diffusion test	pass	

Note:

Conclusions on pass/fail are based on the test result from the actual sampling of the received sample(s).

Conclusions are based on the relevant requirements; measurement uncertainties are not taken into account. Only results above the relevant detection limit are taken into account for the calculation of sums.

Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result.

The composite sampling method is based on the client's special request and could be a modification from the testing standard.

For 2-composite mix with results exceeding one half of the relevant requirements or 3-composite mix with results exceeding one third of the relevant requirements, the composite sample may have the possibility of one or more components that can lead to a failure result, it is recommended to test on individual basis.

List of sample parts

Comp. no	Component-ID	Sample-Description			Original Sample ID
1	-	paper, white			170113099



Test report no. 3277960

WEPA Hygieneprodukte GmbH Rönckhauser Str. 26 DE-59757 Arnsberg

SGS Order No.: 4044886 Date: 03/03/2017 Page 3/8

Analytical results

extractable heavy	metals_		
Test Method ICP-MS nach DIN E	N ISO 17294-2 , after extraktion	n	
simulant duration temperature approach		water 24 hours 22 +/- 2 ℃ EN 645 (40 g/L)	
Subsample(s)		<u>Unit</u>	Result 1
Lead (Pb) Cadmium (Cd) Chromium (Cr) ^[1] Conclusion		μg/l μg/l mg/dm²	1st contact < 3 < 2 < 0.001 Pass
Note:			
Requirement::	BfR Recommendation XXXVI:	Lead: Cadmium: Chromium:	max. 10 μg/l max. 5 μg/l max. 0.004 mg/dm² (Cr (III)) not detectable (Cr (VI))
^[1] = Absence of Ch	romium indicates absence of C	hromium(VI)	
formaldehyde			
Test Method SOP M0167, HPLC	-UV		
simulant duration temperature approach		water 24 hours 22 +/- 2 ℃ EN 645 (40 g/L)	
Subsample(s)		<u>Unit</u>	<u>Result</u> <u>1</u>
formaldehyde (50-0 Conclusion Note:	0-0)	mg/dm²	1st contact < 0.01 Pass
Requirement:	max. 1 mg/dm ² (BfR Recomme	endation XXXVI)	



	lest report	no. 3277960	
WEPA Hygieneprodukte GmbH Rönckhauser Str. 26 DE-59757 Arnsberg			SGS Order No.: 4044886 Date: 03/03/2017 Page 4/8
glyoxal			
Test Method SOP M0167, HPLC-UV			
simulant duration temperature approach	water 24 hours 22 +/- 2 ℃ EN 645 (40 g/L)		
<u>Subsample(s)</u>	<u>Unit</u>	<u>Result</u> <u>1</u>	
glyoxal (107-22-2) Conclusion	mg/dm²	1st contact < 0.05 Pass	
Note:			
Requirement: max. 1.5 mg/dm ² (BfF	R Recommendation XXXVI)	
Primary aromatic amines			
Test method Extraction: EN 645, measurement: LC-MS	S/MS		
simulant duration temperature approach	water 24 hours 22 +/- 2 °C EN 645 (40 g/L)		
Subsample(s)	Unit	<u>Result</u> <u>1</u>	
		1st contact	
Aniline (62-53-3) o-toluidine (95-53-4) ^a m-toluidine (108-44-1) p-toluidine (106-49-0) 2,4-toluylendiamine (95-80-7) ^a 2,6-toluylendiamine (823-40-5) o-anisidine (90-04-0) m-anisidine (536-90-3) Benzidine (92-87-5) ^a 4,4'-diaminodiphenylmethane (101-77-9) 4,4'-oxydianiline (101-80-4) 4-chloraniline (106-47-8) ^a 3-chloraniline (108-42-9) p-kresidine (120-71-8) ^a 4-chloro-o-toluidine (95-69-2) ^a 2-naphtylamine (91-59-8) ^a 4-aminodiphenyle (92-67-1) ^a 4-aminodzobenzene (60-09-3) ^a 3,3-dimethylbenzidine (119-93-7) ^a 4,4' – thiodianiline (139-65-1) 3,3'-dimethyl-4,4'- diaminodiphenylmethane (838-88-0) ^a 3,3-dimethoxybenzidine (119-90-4) ^a	µg/I µg/I µg/I µg/I µg/I µg/I µg/I µg/I	< 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2 < 2	
3,3-dichlorobenzidine (91-94-1)	μg/l	< 2	



Test report no. 3277960

WEPA Hygieneprodukte GmbH			SGS Order No.: 4044886
Ronckhauser Str. 20			Date. 03/03/2017
DE-59/5/ Arnsberg			Page 5/8
4,4'-methyl-bis(2-chloroaniline) (101-14-	μg/l	< 2	
4)			
1,4-phenylenediamine (106-50-3)	µg/l	< 2	
1,2-phenylenediamine (95-54-5)	µg/l	< 2	
2,4,5-trimethylaniline (137-17-7)	µg/l	< 2	
o-aminoazotoluene (97-56-3)	µg/l	< 2	
2,4-diaminoanisol (615-05-4) ^a	µg/l	< 2	
2-amino-4-nitrotoluene (99-55-8)	µg/l	< 2	
2,6-dimethylaniline (87-62-7)	µg/l	< 2	
2,4-dimethylaniline (95-68-1)	μg/l	< 2	
1,5-diaminonapthalene (2243-62-1)	μg/l	< 2	
4-chloro-o-toluidine (95-69-2)	μg/l	< 2	
4,4'-methylen-bis(3-chloro-2,6- diethylanilne (106246-33-7)	μg/l	< 2	
2,4-diamino-6-phenyl-1,3,5-triazine (91- 76-9)	µg/l	< 2	
4-ethoxvaniline (156-43-4)	ua/l	< 2	
3-amino-4-methoxybenzanilide (120-35-	µg/l	< 2	
4)	10		
2-methoxy-4-nitroaniline (97-52-9)	ug/l	< 5	
5-amino-6-methylbenzimidazolone	ua/l	< 5	
(67014-36-2)	F* 5 *		
4-aminobenzamide (2835-68-9)	ug/l	< 5	
3-amino-4-methylbenzamid (19406-86-	µg/l	< 5	
1)	10		
2-chloroaniline (95-51-2)	μg/l	< 10	
2-ethoxyaniline (94-70-2)	µg/l	< 5	
5-chloro-2-methylaniline (95-79-4)	µg/l	< 5	
1.3-diiminoisoindolene (3468-11-9)	ua/l	< 5	
5-chloro-2-methoxyanilin (95-03-4)	ug/l	< 5	
2.5-dichloroaniline (95-82-9)	ug/l	< 10	
2-chloro-4-nitroaniline (121-87-9)	ug/l	< 5	
4-chloro-2 5-dimethoxyaniline (6358-64-	ua/l	< 5	
1)	P9/1		
2,4,5-trichloroaniline (636-30-6)	μg/l	< 10	
4-chloro-3-methoxyaniline (13726-14-2)	μg/l	< 10	
2,4-dinitroaniline (97-02-9)	µg/l	< 5	
4-aminotoluene-3-sulfonic acid (88-44-8)	μg/l	< 5	
2-amino-1-naphthalinesulfonic acid (81-	μg/l	< 5	

For the summation only results above the reporting limit are taken into account.

μg/l

μg/l

Requirement:

16-3) Sum

Conclusion

not detectable (Sum <10 µg/l based on Regulation (EU) No. 10/2011) (BfR Recommendation XXXVI) < 2 µg/l for the marked substances (^a) (BfR Recommendation XXXVI)

pass



	Test	report no. 3277	'960	
WEPA Hygieneprodukte GmbH Rönckhauser Str. 26 DE-59757 Arnsberg				SGS Order No.: 4044886 Date: 03/03/2017 Page 6/8
Phthalates				
Test Method extraction: EN 645, measurement: GC	-MS			
simulant duration temperature approach	wate 24 ho 22 +/ EN 6	r ours /- 2 ℃ (45 (40 g/L)		
Subsample(s)	Unit	<u>Res</u>	<u>sult</u>	
		1 st co	ntact	
Di-(2-ethylhexylphthalate (DEHP)	mg/kg test sim	ulant < 0	.05	
(117-81-7) Dibutylphthalate (DBP) (84-74-2) Diisobutylphthalate (DIBP) (84-69-5) Beurteilung / Conclusion	mg/kg test sim mg/kg test sim	ulant < 0 ulant < 0 pa	.05 .05 ss	
Requirement: BfR Recommendation	on XXXVI:	DEHP: DBP: DIBP: DBP+DIBP:	max. 1.5 mg/kg test simulan max. 0.3 mg/kg test simulan max. 0.3 mg/kg test simulan max. 0.3 mg/kg test simulan	t t t
hisphenol A (2.2-bis(4-hydroxynheny))propane)			
Test Method SOP M3244, LC-DAD	<u>propane</u>			
simulant duration temperature approach	water 24 hou 22 +/- 2 EN 645	rs 2 ℃ 5 (40 g/L)		
Subsample(s)	<u>Ur</u>	nit <u>Res</u> 1	<u>ult</u>	
Bisphenol A (80-05-7) Conclusion	mg	1st co /kg 0. Pa	ntact 2 ss	
Note:				
Requirement: max. 0.6 mg/kg test	simulant (BfR Rec	commendation XXXV	(1)	



	Test repor	t no. 3277960	
WEPA Hygieneprodukte GmbH Rönckhauser Str. 26 DE-59757 Amsherg			SGS Order No.: 4044886 Date: 03/03/2017 Page 7/8
DE COTOT ANNOUNT			
<u>benzophenone</u>			
Test Method SOP M3242, fl./fl. Extr. GC-MS			
simulant	water		
duration	24 hours		
temperature	22 +/- 2 °C EN 645 (40 a/l		
approach		=)	
Cub communica)	<u>Unit</u>	Result	
Subsample(s)		<u>1</u>	
Benzonhenone (119-61-9)	ma/ka	1st contact	
Conclusion	iiig/kg	Pass	
Note:			
Requirement: max. 0.6 mg/kg test sir	nulant (BfR Recommer	dation XXXVI)	
5			
Release of optical brighteners			
Test Method EN 648			
Condition			
short term contact 10	minutes	22℃	
Tailproba(n) / Subcompla(a)	Unit	Result	
Tenprobe(ii) / Subsample(s)		1	
water	Assessment	5	
3 % acetic acid	Assessment	5	
saliva solution	Assessment	5	
oil	Assessment	5	
Conclusion		pass	
Requirement: no release of optical be	righteners; assessment	min. 5 (BfR Recommendation	n XXXVI)
2,6-diisopropylnaphthalene (DIPN)			
Test Method			
DIN EN 14719:2005-10 , Pulp, paper and b dichloromethane and GC-MS	oard - Determination of	the DiisopropyInaphthalene ((DIPN) content by extraction with
	<u>Unit</u>	<u>Result</u>	
Subsample(s)		1	
2,6 - Diisopropylnaphthalene (DIPN) (2415	/-87- mg/kg	< 3.0	
Conclusion		Pass	



Test report no. 3277960

WEPA Hygieneprodukte GmbH Rönckhauser Str. 26 DE-59757 Arnsberg

SGS Order No.: 4044886 Date: 03/03/2017 Page 8/8

Note:

as low as technically feasible (< 50mg/kg) (based on Recommendation XXXVI) **Requirement:**

Agar diffusion test

Test method **DIN EN 1104**

Subsample(s)

Bacillus subtilis Aspergillus niger Conclusion

Requirement: no inhibition zone may be observed (BfR Recommendation XXXVI)

*** End of test report ***

SGS Institut Fresenius GmbH, Im Maisel 14, D-65232 Taunusstein The analytical findings are only valid for the sample as analyzed. Written acknowledgement for publication and duplication of our analytical reports for promotional purpose, as well as fractional use for other purposes mandatory. Electronically submitted results are for your information only. For legally binding results refer to the originally signed analytical report. Numbers following "<" represent limits of quantification. Determination of parameters marked with * was performed with a cooperation partner. Please note that the analysis was fully or partially conducted at the laboratory facilities of Institut Fresenius which are accredited according to DIN EN ISO/IEC 17025. These laboratory facilities are not explicitly accounted as GMP-areas.

Result 1

no inhibition zone no inhibition zone Pass