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17-H004-0001

see project manager below test result

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see project manager below test result

Berlin, 12.12.2017

Test Report 17-H004-0001

name and address of client:	see address
product type:	material
delivery condition:	
date of receipt:	02.11.2017
testing (start/end):	02.11.2017/12.12.2017
sample taken by:	taken by client
sample identification:	2 TPE 45 5303-0008, 2008-0182 SD108A

The test results relate only to the items tested. The test report shall not be reproduced except in full without the written approval of the testing laboratory.

Test Report: BHT
test method: LA-GC-002.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
BHT	128-37-0	<10	mg/kg	10

RL: reporting limit

The amount in [] is a semiquantitative valuation under reporting limit.


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Test Report: phosphorus flame retardants 2 in material
test method: LA-GC-002.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
plasticizers				
phosphorus flame retardants				
TCEP	115-96-8	<5	mg/kg	5
TCPP	13674-84-5	<2	mg/kg	2
TDCPP	13674-87-8	<5	mg/kg	5
tricresyl phosphate (mixed isomers)	1330-78-5	<10	mg/kg	10
TBEP	78-51-3	<5	mg/kg	5
triphenylphosphate	115-86-6	<5	mg/kg	5
tris(2-ethylhexyl) phosphate	78-42-2	<5	mg/kg	5
2-ethylhexyl diphenyl phosphate (Octicizer)	1241-94-7	<5	mg/kg	5
tributyl phosphate	126-73-8	<10	mg/kg	10

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Test Report: 8 heavy metals

test method: DIN EN ISO 17294-2 ICP-MS

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
* arsenic	7440-38-2	<1	mg/kg	1
* lead	7439-92-1	<0.5	mg/kg	0.5
* cadmium	7440-43-9	<0.2	mg/kg	0.2
* chromium	7440-47-3	<5	mg/kg	5
* copper	7440-50-8	<5	mg/kg	5
* nickel	7440-02-0	<5	mg/kg	5
* mercury	7439-97-6	<0.1	mg/kg	0.1
* zinc	7440-66-6	<5	mg/kg	5

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*testing performed by an accredited partner lab



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Test Report: phthalates 3 in material
test method: LA-GC-002.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
plasticizers				
plasticizers				
diisobutyl phthalate	84-69-5	<20	mg/kg	20
dibutyl phthalate	84-74-2	<20	mg/kg	20
butyl benzyl phthalate	85-68-7	<20	mg/kg	20
DEHP	117-81-7	<50	mg/kg	50
diisononyl phthalate	68515-48-0	<100	mg/kg	100
diisodecyl phthalate	26761-40-0	<100	mg/kg	100
di-n-octyl phthalate	117-84-0	<20	mg/kg	20
bis(2-propylheptyl) phthalate	53306-54-0	<50	mg/kg	50
bis(2-methoxyethyl) phthalate	117-82-8	<20	mg/kg	20
DHNUP	68515-42-4	<200	mg/kg	200
Di-n-hexyl phthalate	84-75-3	<20	mg/kg	20
diisoheptyl phthalate	71888-89-6	<100	mg/kg	100
di-n-pentyl phthalate	131-18-0	<20	mg/kg	20
diisopentyl phthalate	605-50-5	<20	mg/kg	20
n-pentylisopentyl phthalate	776297-69-9	<20	mg/kg	20
diisohexyl phthalate	71850-09-4	<100	mg/kg	100
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5	<200	mg/kg	200
mixed C6-C8-C10-Phthalat	68648-93-1	<200	mg/kg	200

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Test Report: 18 PAH (AFPS, formerly ZEK) cat. 1 in material
test method: LA-GC-002.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
PAH	sum	0		
naphthalene	91-20-3	<0.2	mg/kg	0.2
acenaphthylene	208-96-8	<0.2	mg/kg	0.2
acenaphthene	83-32-9	<0.2	mg/kg	0.2
fluorene	86-73-7	<0.2	mg/kg	0.2
phenanthrene	85-01-8	<0.2	mg/kg	0.2
anthracene	120-12-7	<0.2	mg/kg	0.2
fluoranthene	206-44-0	<0.2	mg/kg	0.2
pyrene	129-00-0	<0.2	mg/kg	0.2
benz[a]anthracene	56-55-3	<0.2	mg/kg	0.2
chrysene	218-01-9	<0.2	mg/kg	0.2
benzo[b]fluoranthene	205-99-2	<0.2	mg/kg	0.2
benzo[k]fluoranthene	207-08-9	<0.2	mg/kg	0.2
benzo[j]fluoranthene	205-82-3	<0.2	mg/kg	0.2
Benzo[e]pyren	192-97-2	<0.2	mg/kg	0.2
benzo[a]pyrene	50-32-8	<0.2	mg/kg	0.2
indeno[1,2,3,c,d]pyrene	193-39-5	<0.2	mg/kg	0.2
dibenzo[a,h]anthracene	53-70-3	<0.2	mg/kg	0.2
benzo[g,h,i]perylene	191-24-2	<0.2	mg/kg	0.2

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Test Report: Alkylphenole Paket
test method: LA-GC-002.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
free and released phenolic compounds				
nonylphenol mixed isomers	84852-15-3	<100	mg/kg	100
bisphenol A (free and releasable)	80-05-7	<50	mg/kg	50
tetrabromobisphenol-A	79-94-7	<0.2	mg/kg	0.2
phenol	108-95-2	<10	mg/kg	10
2,4,6-tribromophenol	118-79-6	<10	mg/kg	10

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Test Report: azodyes in synthetic fibre
test method: LA-LC-005.01C

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
2-methyl-5-nitroaniline	99-55-8	<10	mg/kg	10
2-naphthylamine	91-59-8	<10	mg/kg	10
2,4-diaminoanisole	615-05-4	<10	mg/kg	10
2,4-diaminotoluene	95-80-7	<10	mg/kg	10
2,4-dimethyl aniline	95-68-1	<10	mg/kg	10
2,4,5-trimethylaniline	137-17-7	<10	mg/kg	10
2,6-dimethyl aniline	87-62-7	<10	mg/kg	10
3,3'-dichlorobenzidine	91-94-1	<10	mg/kg	10
3,3'-dimethoxybenzidine	119-90-4	<10	mg/kg	10
3,3'-dimethylbenzidine	119-93-7	<10	mg/kg	10
4-aminoazobenzene	60-09-3	<10	mg/kg	10
4-aminobiphenyl	92-67-1	<10	mg/kg	10
4-chloro-o-toluidine	95-69-2	<10	mg/kg	10
4-chloroaniline	106-47-8	<10	mg/kg	10
4,4'-diamino-3,3'-dimethyldiphenylmethane	838-88-0	<10	mg/kg	10
4,4'-diamino-3,3'-dichlorodiphenylmethane	101-14-4	<10	mg/kg	10
4,4'-diaminodiphenylmethane	101-77-9	<10	mg/kg	10
4,4'-oxydianiline	101-80-4	<10	mg/kg	10
4,4'-thiodianiline	139-65-1	<10	mg/kg	10
aniline	62-53-3	<10	mg/kg	10
benzidine	92-87-5	<10	mg/kg	10
o-aminoazotoluene	97-56-3	<10	mg/kg	10
o-anisidine	90-04-0	<10	mg/kg	10
o-toluidine	95-53-4	<10	mg/kg	10
p-cresidine	120-71-8	<10	mg/kg	10
p-toluidine	106-49-0	<10	mg/kg	10

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Test Report: dyes according to OEKO-TEX / DIN EN 71 in textile products
test method: LA-LC-111.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
Acid Red 26	3761-53-3	<10	mg/kg	10
Basic Red 9	569-61-9	<10	mg/kg	10
Basic Violet 14	632-99-5	<10	mg/kg	10
Direct Black 38	1937-37-7	<10	mg/kg	10
Direct Blue 6	2602-46-2	<10	mg/kg	10
Direct Red 28	573-58-0	<10	mg/kg	10
Disperse Blue 1	2475-45-8	<10	mg/kg	10
Disperse Orange 11	82-28-0	<10	mg/kg	10
Disperse Yellow 3	2832-40-8	<10	mg/kg	10
Disperse Blue 3	2475-46-9	<10	mg/kg	10
Disperse Blue 7	3179-90-6	<10	mg/kg	10
Disperse Blue 26	3860-63-7	<10	mg/kg	10
Disperse Blue 35	12222-75-2	<10	mg/kg	10
Disperse Blue 102	12222-97-8	<10	mg/kg	10
Disperse Blue 106	68516-81-4	<10	mg/kg	10
Disperse Blue 124	61951-51-7	<10	mg/kg	10
Disperse Brown 1	23355-64-8	<10	mg/kg	10
Disperse Orange 1	2581-69-3	<10	mg/kg	10
Disperse Orange 3	730-40-5	<10	mg/kg	10
Disperse Orange 37	13301-61-6	<10	mg/kg	10
Disperse Red 1	2872-52-8	<10	mg/kg	10
Disperse Red 11	2872-48-2	<10	mg/kg	10
Disperse Red 17	3179-89-3	<10	mg/kg	10
Disperse Yellow 1	119-15-3	<10	mg/kg	10
Disperse Yellow 9	6373-73-5	<10	mg/kg	10
Disperse Yellow 39	12236-29-2	<10	mg/kg	10
Disperse Yellow 49	54824-37-2	<10	mg/kg	10
Solvent Yellow 1	81691-68-1	<10	mg/kg	10
Solvent Yellow 2	60-11-7	<10	mg/kg	10
Solvent Yellow 3	97-56-3	<10	mg/kg	10
Basic Violet 1	8004-87-3	<10	mg/kg	10
Basic Violet 3	548-62-9	<10	mg/kg	10
Acid Violet 49	1694-09-3	<10	mg/kg	10
Basic Blue 26	2580-56-5	<10	mg/kg	10
Malachite green oxalate (Basic Green 4 oxalate)	2437-29-8	<10	mg/kg	10

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Test Report: flame retards 1 in material
test method: LA-GC-008.01

test result

Test Report 17-H004-0001

sample identification: 2 TPE 45

5303-0008, 2008-0182 SD108A

parameter	CAS-No.	amount	results in	RL
tribromodiphenylether		< je 10	mg/kg	10
tetrabromobiphenylether		< je 10	mg/kg	10
pentabromobiphenylether		< je 10	mg/kg	10
hexabromobiphenylether		< je 10	mg/kg	10
heptabromobiphenylether		< je 10	mg/kg	10
octabromobiphenylether		< je 10	mg/kg	10
nonabromobiphenylether		< je 10	mg/kg	10
decabromobiphenylether	1163-19-5	<10	mg/kg	10
monobromobiphenyle		< je 10	mg/kg	10
dibromobiphenyle		<10	mg/kg	10
tribromobiphenyle		< je 10	mg/kg	10
tetrabromobiphenyle		< je 10	mg/kg	10
pentabromobiphenyle		< je 10	mg/kg	10
hexabromobiphenyle		< je 10	mg/kg	10
heptabromobiphenyle		< je 10	mg/kg	10
octabromobiphenyle		< je 10	mg/kg	10
nonabromobiphenyle		< je 10	mg/kg	10
decabromobiphenyl	13654-09-6	<10	mg/kg	10
hexabromocyclododecane mixed isomers	25637-99-4	<10	mg/kg	10
tetrabromobisphenol-A	79-94-7	<10	mg/kg	10
2,4,6-tribromophenol	118-79-6	<10	mg/kg	10
hexabromobenzen	87-82-1	<10	mg/kg	10
pentabromotoluen	87-83-2	<10	mg/kg	10
2,4,6-tribromophenylallylether	3278-89-5	<50	mg/kg	50
2,2-bis(bromomethyl)-1,3-propanediol	3296-90-0	<10	mg/kg	
tris-(2,3-dibromopropyl) phosphate	126-72-7	<10	mg/kg	10
bis-(2,3-dibromopropyl)phosphate	5412-25-9	<10	mg/kg	
Tris (aziridiny) phosphine oxide	545-55-1	<10	mg/kg	10
trixylphosphate	25155-23-1	<10	mg/kg	10

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