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Zurich, 07.05.2015 / me

TEST REPORT NO. TPIA 106032.1

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Test material: NPP-300C,C1,MC,W,W1,W5,WN,WN1,WN5,MW; NPP-688CKC/CKW; NPP-980C/W; NPP-05,05W,NPP-22ET,22ETW; DE-330, DE-301; DE-300, white or clear for testing

SUBJECT OF ANALYSIS

According to your order dated 08.04.2015 various analytical analysis should be carried out on the samples received on 23.04.2015.

RESULTS OF ANALYSIS

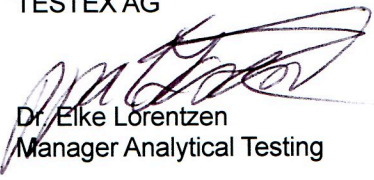
The results of the analysis we have carried out are summarized in the following tables.

SUMMARY

The test methods according to Oeko-Tex® Standard 100 were used as basis of evaluation.



Swiss Textile Testing Institute
TESTEX AG


Dr. Elke Lorentzen
Manager Analytical Testing


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Team Leader Analytical Reporting

Enclosures mentioned
cc: Testex Taipei

proven since 1846





- No.1: NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White
- No.2: NPP-688 CKC/CKW White
- No.3: NPP-980C/W White
- No.4: NPP-05,05W NPP-22ET, 22ETW White
- No.5: DE-330/ DE-301 White
- No.6: DE-300 Transparen Clear



TABLE OF RESULTS

		NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White	NPP-688 CKC/CKW White	NPP- 980C/W White	NPP- 05,05W NPP-22ET, 22ETW White
FORMALDEHYDE ANALYSIS JIS L-1041					
No. of tests		1	1	1	1
ø free formaldehyde [mg/kg]		n/d	n/d	n/d	n/d

		DE-330/ DE-301 White	DE-300 Transparen Clear		
FORMALDEHYDE ANALYSIS JIS L-1041					
No. of tests		1	1		
ø free formaldehyde [mg/kg]		n/d	n/d		

		NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White	NPP-688 CKC/CKW White	NPP- 980C/W White	NPP- 05,05W NPP-22ET, 22ETW White
HEAVY METALS Total content					
No. of tests		1	1	1	1
Antimony [mg/kg]		36.13	0.51	0.49	0.63
Arsenic [mg/kg]		0.64	0.41	0.59	0.36
Lead [mg/kg]		0.81	0.99	5.08	0.83
Cadmium [mg/kg]		0.51	0.86	0.85	0.75
Chromium total [mg/kg]		4.14	3.28	3.84	3.22
Cobalt [mg/kg]		<0.01	<0.01	<0.01	<0.01
Copper [mg/kg]		10.40	3.88	4.58	5.18
Nickel [mg/kg]		<0.01	3.38	2.31	0.99
Mercury [mg/kg]		<0.01	<0.01	<0.01	<0.01
Zinc [mg/kg]		10.60	6.74	7.99	6.72



TABLE OF RESULTS

		DE-330/ DE-301	DE-300 Transparen		
		White	Clear		
HEAVY METALS					
Total content					
No. of tests		1	1		
Antimony	[mg/kg]	0.73	0.49		
Arsenic	[mg/kg]	<0.01	0.43		
Lead	[mg/kg]	0.13	<0.01		
Cadmium	[mg/kg]	0.41	0.45		
Chromium total	[mg/kg]	1.80	2.27		
Cobalt	[mg/kg]	<0.01	<0.01		
Copper	[mg/kg]	1.67	2.56		
Nickel	[mg/kg]	0.47	0.72		
Mercury	[mg/kg]	<0.01	<0.01		
Zinc	[mg/kg]	2.64	1.87		

		NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White	NPP-688 CKC/CKW White	NPP- 980C/W White	NPP- 05,05W NPP-22ET, 22ETW White
PHENOLS (Chlorinated and OPP)					
Oeko-Tex® Method 5					
No. of tests		1	1	1	1
Orthophenylphenol (OPP)	[mg/kg]	<0.01	<0.01	<0.01	<0.01
Pentachlorophenol (PCP)	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,3,5,6-TeCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,3,4,6-TeCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,3,4,5-TeCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
Tetrachlorophenol (TeCP, Sum)	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,3,4-TCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,3,5-TCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,3,6-TCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,4,5-TCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,4,6-TCP	[mg/kg]	<0.01	<0.01	<0.01	<0.01
Trichlorophenol (TCP, Sum)	[mg/kg]	<0.01	<0.01	<0.01	<0.01
2,4-Dichlorophenol	[mg/kg]	<0.01	<0.01	<0.01	<0.01



TABLE OF RESULTS

		DE-330/ DE-301	DE-300 Transparen		
		White	Clear		
PHENOLS (Chlorinated and OPP) Oeko-Tex® Method 5					
No. of tests		1	1		
Orthophenylphenol (OPP)	[mg/kg]	<0.01	<0.01		
Pentachlorophenol (PCP)	[mg/kg]	<0.01	<0.01		
2,3,5,6-TeCP	[mg/kg]	<0.01	<0.01		
2,3,4,6-TeCP	[mg/kg]	<0.01	<0.01		
2,3,4,5-TeCP	[mg/kg]	<0.01	<0.01		
Tetrachlorophenol (TeCP, Sum)	[mg/kg]	<0.01	<0.01		
2,3,4-TCP	[mg/kg]	<0.01	<0.01		
2,3,5-TCP	[mg/kg]	<0.01	<0.01		
2,3,6-TCP	[mg/kg]	<0.01	<0.01		
2,4,5-TCP	[mg/kg]	<0.01	<0.01		
2,4,6-TCP	[mg/kg]	<0.01	<0.01		
Trichlorophenol (TCP, Sum)	[mg/kg]	<0.01	<0.01		
2,4-Dichlorophenol	[mg/kg]	<0.01	<0.01		

		NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White	NPP-688 CKC/CKW White	NPP- 980C/W White	NPP- 05,05W NPP-22ET, 22ETW White
ORGANIC TIN COMPOUNDS Oeko-Tex® Method 7					
No. of tests		1	1	1	1
TBT	[mg/kg]	n/d	n/d	n/d	n/d
DBT	[mg/kg]	0.55	n/d	0.31	n/d
MBT	[mg/kg]	n/d	n/d	n/d	n/d
TPhT	[mg/kg]	n/d	n/d	n/d	n/d
DOT	[mg/kg]	n/d	n/d	n/d	n/d
TCT	[mg/kg]	n/d	n/d	n/d	n/d

		DE-330/ DE-301	DE-300 Transparen		
		White	Clear		
ORGANIC TIN COMPOUNDS Oeko-Tex® Method 7					
No. of tests		2	1		
TBT	[mg/kg]	n/d	n/d		
DBT	[mg/kg]	1.83	n/d		
MBT	[mg/kg]	n/d	n/d		
TPhT	[mg/kg]	n/d	n/d		
DOT	[mg/kg]	n/d	n/d		
TCT	[mg/kg]	n/d	n/d		



TABLE OF RESULTS

		NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White	NPP- 980C/W White	NPP- 05,05W NPP-22ET, 22ETW White	DE-330/ DE-301 White
PLASTICISERS					
Oeko-Tex® Method 6					
No. of tests		1	1	1	1
DINP*	[%]	<0.01	<0.01	<0.01	<0.01
DNOP	[%]	<0.01	<0.01	<0.01	<0.01
DEHP	[%]	<0.01	<0.01	<0.01	<0.01
DIDP	[%]	<0.01	<0.01	<0.01	<0.01
BBP	[%]	<0.01	<0.01	<0.01	<0.01
DBP	[%]	<0.01	<0.01	<0.01	<0.01
DIBP	[%]	<0.01	<0.01	<0.01	<0.01
DHP	[%]	<0.01	<0.01	<0.01	<0.01
DIHP*	[%]	<0.01	<0.01	<0.01	<0.01
DUP*	[%]	<0.01	<0.01	<0.01	<0.01
DMEP	[%]	<0.01	<0.01	<0.01	<0.01
DPP	[%]	<0.01	<0.01	<0.01	<0.01
DIPP	[%]	<0.01	<0.01	<0.01	<0.01
NPIPP	[%]	<0.01	<0.01	<0.01	<0.01
SUM (Cl. 1)	[%]	<0.01	<0.01	<0.01	<0.01
DDDP		<0.01	<0.01	<0.01	<0.01
TCEP		<0.01	<0.01	<0.01	<0.01
* Components of DHNUP					

		NPP-300C,W C1MCW1W5 WN,WN1WN5 MW, White	NPP-688 CKC/CKW White	NPP- 980C/W White	NPP- 05,05W NPP-22ET, 22ETW White
SURFACTANTS					
(ALKYLPHENOETHOXYLATES)					
Oeko-Tex® Method 14					
No. of tests		1	1	1	1
AP (OP & NP)	[mg/kg]	n/d	n/d	n/d	n/d
APEO* & AP	[mg/kg]	8.4	n/d	n/d	n/d
* OPEO(1-20) & NPEO(1-20)					

		DE-330/ DE-301 White	DE-300 Transparen Clear		
SURFACTANTS					
(ALKYLPHENOETHOXYLATES)					
Oeko-Tex® Method 14					
No. of tests		1	1		
AP (OP & NP)	[mg/kg]	n/d	n/d		
APEO* & AP	[mg/kg]	9.6	n/d		
* OPEO(1-20) & NPEO(1-20)					

TESTEX Zurich, 07.05.2015