



Test Report

Number : TWNC00308772S101

Applicant: BEST CHEM CO., LTD.
No 15 Lane 192 Sec 2
Nan San Rd Lu-Chu Hsiang
Taoyuan Hsien Taiwan ROC

Date : May 09, 2013
This is to supersede
report No. TWNC00308772
dated Apr 29, 2013

Sample Description:

Conclusion of Report Summary	:	Pass
Failure Test Item	:	--

One (1) Can of submitted samples said to be :

Material Name & Code : NPP-688 Series (NPP-688C/W, NPP-688MC/MW, NPP-688FRC/FRW, NPP-688FTA/FTB)

Material Colour & Code : White

Material Composition : Printing Paste

Category : Infant

Test Type : SI (Supplier Inner Test)

Full Test Report No. : -

Test Key Code : 509

End Use : Apparel

Buyer's Name : adidas

Vendor's Name : -

Supplier/Contact Person : BEST CHEM CO., LTD.

Country of Supplier : -

Lot No./Purchase Order No. : -

Date Sample Received : Apr 22, 2013

Date Test Started : Apr 23, 2013

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

Please see page two.

Authorized by:

On Behalf of Intertek Testing Services
Taiwan Limited



K. Y. Liang
Director



Intertek Testing Services Taiwan Ltd.

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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	adidas A-01 Policy Version No.10 testing requirements	
	- Azo Dyes (Amines)	M
	- Phthalates	M
	- Nonylphenol (NP)	M
	- Octylphenol (OP)	M
	- NP/OP/NPEO/OPEO (SUM)	M

Remark: M = Meet buyer's requirement

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Director



Test Conducted

1. Azo Dyes (Amines)

By Gas Chromatographic-Mass Spectrometry (GC-MS) analysis.

(I) Test Method : Textile Method (EN ISO 14362-1(2012))
 Leather Method (EN ISO 17234-1(2010))

<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u> <u>Textile</u> <u>Submitted samples</u>
1. 4-Aminobiphenyl	92-67-1	N
2. Benzidine	92-87-5	N
3. 4-Chloro-O-Toluidine	95-69-2	N
4. 2-Naphthylamine	91-59-8	N
5. o-Aminoazotoluene	97-56-3	N
6. 2-Amino-4-Nitrotoluene	99-55-8	N
7. p-Chloroaniline	106-47-8	N
8. 2,4-Diaminoanisole	615-05-4	N
9. 4,4'-Diaminodiphenylmethane	101-77-9	N
10. 3,3'-Dichlorobenzidine	91-94-1	N
11. 3,3'-Dimethoxybenzidine	119-90-4	N
12. 3,3'-Dimethylbenzidine	119-93-7	N
13. 3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N
14. p-Cresidine	120-71-8	N
15. 4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	N
16. 4,4'-Oxydianiline	101-80-4	N
17. 4,4'-Thiodianiline	139-65-1	N
18. o-Toluidine	95-53-4	N
19. 2,4-Toluylenediamine	95-80-7	N
20. 2,4,5-Trimethylaniline	137-17-7	N
21. 2-Methoxyaniline	90-04-0	N
22. 2,4-Dimethylaniline	95-68-1	N
23. 2,6-Dimethylaniline	87-62-7	N

(II) Test Method : p-Aminoazobenzene (EN ISO 14362-3(2012))
 p-Aminoazobenzene (EN ISO 17234-2(2011))

<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u> <u>Textile</u> <u>Submitted samples</u>
4-Aminoazobenzene	60-09-3	N

adidas TLV : 20 ppm

Remarks : N = Not detected
 Detection limit = 5 ppm
 ppm = Parts per million = mg/kg





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2. Phthalates

By soxhlet extraction with dichloromethane and determined by Gas Chromatography-Mass Spectrometer (GC-MS).

<u>Compound</u>	<u>Result (ppm)</u> <u>Submitted samples</u>
Di-(Iso-Nonyl) Phthalate (DINP)	ND
Di-(N-Octyl) Phthalate (DNOP)	ND
Diethyl Hexyl Phthalate (DEHP)	ND
Di-(Iso-Decyl) Phthalate (DIDP)	ND
Benzyl Butyl Phthalate (BBP)	ND
Dibutyl Phthalate (DBP)	ND
Diisobutyl Phthalate (DIBP)	ND
Di-(C6-8-Branched Alkyl) Phthalates (DIHP)	ND
Di-(C7-11-Branched and Linear Alkyl) Phthalates (DHNUP)	ND
Di-(N-Hexyl) Phthalate (DHP)	ND
Di-(2-Methoxy Methyl) Phthalate (DMEP)	ND
Sum Of Above Phthalates	ND

adidas TLV (Total) : 500 ppm

Remarks: ppm = Parts per million = mg/kg
ND = Not detected
Detection limit = 50 ppm





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3. Nonylphenol (NP), Octylphenol (OP), Nonylphenol Ethoxylates (NPEO) And Octylphenol Polyethoxylate (OPEO)

Extraction with dichloromethane (for NP & OP) and methanol (for NPEO & OPEO), followed by Liquid Chromatography /Tandem Mass Spectrometer (LC-MS-MS) Liquid and Chromatography- Mass Spectrometer (LC-MS) analysis.

<u>Compound</u>	<u>Result (ppm)</u> <u>Submitted samples</u>	<u>adidas TLV (ppm)</u>
NP	ND	100
OP	ND	100
NPEO	ND	--
OPEO	ND	--
Total	ND	1000

Remarks : ppm = Parts per million = mg/kg
Detection limit = 10 ppm
ND = Not detected

End of Report

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Photo

