

TEST REPORT

NUMBER : JKTT10000695-REV1

DATE : 07-Apr-2010

APPLICANT : **PT. KAILO SUMBER KASIH**
JL. JABABEKA RAYA K1J KAW. INDUSTRI
CIKARANG, BEKASI, INDONESIA.

ATTN : **ITA,**
CC : C/O ADIDAS LO - EDDY SULTHANTO,

Provided Information :
Date Received : 14 Jan 2010
Test Type : A-01
Client Ref No. : None Given
Material : Polybag (PE Bag) Material Name : LD PE
Fibre Content : None Given
Construction : None Given
Gauge (Knit Only) : None Given
Color : (A) White (Model Zippo Bag)
(B) WHITE (Model Side Sealing Tape)
End Product : Polybag
Buyer : Adidas International
Article/Style No. Received : -
Order No. : -
Season : None given
Fabric Supplier's Name : Hanwha Corp (Korea)

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

PREPARED & CHECKED BY :
FOR INTERTEK INDONESIA [JAKARTA]



NINA TJEN
GENERAL MANAGER

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CONCLUSION :

	(A)	(B)
Total Cadmium (Cd) Content	M	M
Total Lead (Pb) Content	M	M
Organotin Compounds Content	M	M
Phthalate Content	M	M
Nonylphenol (NP), Octylphenol (OP) And Nonylphenol	M	M
Ethoxylates (NPEO) Content		
Extractable Heavy Metal	M	M
Qualitative Test For Polyvinyl Chloride (PVC)	M	M
Polycyclic Aromatic Hydrocarbons (PAHs) Including BaP Content	M	M

Remark :

M = Meets Buyer's Requirement

F = Below Buyer's Requirement

= No Specified Information

* = No Submitted Information

M* = Conforms Within $\pm 5\%$ Tolerance To The Declared Fabric WeightF* = Does Not Conform Within $\pm 5\%$ Tolerance To The Declared Fabric Weight

NOTE :

Reason for revision : Added Polycyclic Aromatic Hydrocarbons (PAHs) Including BaP content and Qualitative test for polyvinyl chloride (PVC) Tests.

JKTT10000695 dd Feb 15, 2010 is superseded by JKTT10000695-REV1

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Total Cadmium (Cd) Content

As per EN 1122 : 2002 and DIN EN ISO 11885 : 2008

Tested Sample

	(A)	(B)	<u>REQUIREMENT</u>
Result	ND	ND	40 ppm

REMARK:

ppm = parts per million = mg/kg

ND = Not Detected

Detection limit = 2 ppm

2. Total Lead (Pb) ContentAs per DIN EN ISO 11885:2008, microwave digestion with H₂O₂/HNO₃ was used and determined by inductively coupled plasma-optical emission spectrometer (ICP-OES) analysisTested Sample

	(A)	(B)	<u>REQUIREMENT</u>
Result	ND	ND	40 ppm

REMARK:

ppm = parts per million = mg/kg

ND = Not Detected

Detection limit = 2 ppm

3. Organotin Compounds Content

Pretreated with methanolic buffer with carbamate and with reference to ISO 17353 : 2004, determined by Gas Chromatography-Mass Selective Detector (GC-MSD) analysis

Result (ppm)

	(A)	(B)	<u>REQUIREMENT</u>
Monobutyltin (MBT)	ND	ND	1
Dibutyltin (DBT)	ND	ND	1
Tributyltin (TBT)	ND	ND	ND
Triphenyltin (TPHT)	ND	ND	0.5 (Infant) 1 (Adult)

REMARK:

ppm = parts per million = mg/kg

Detection limit = 0.05 ppm

ND = Not Detected

4. Phtalate Content

By soxhlet extraction with acetone/hexane and determined by Gas Chromatography-Mass Selective Detector (GC-MSD)

Result (ppm)

Compound	(A)	(B)	<u>REQUIREMENT</u>
Di-(Iso-Nonyl) Phtalate (DINP)	ND	ND	500 ppm
Di-(N-Octyl)Phtalate (DNOP)	ND	ND	
Diethyl Hexyl Phtalate (DEHP)	12	ND	
Di-(Iso-Decyl) Phtalate (DIDP)	ND	ND	
Benzyl Butyl Phtalate (BBP)	ND	ND	
Dibutyl Phtalate (DBP)	ND	ND	
Sum of Six Phtalates	12	ND	

REMARK:

ppm = parts per million = mg/kg

ND = Not Detected

Detection limit = DBP = 10 ppm
 DEHP = 10 ppm
 DINP = 100 ppm
 BBP = 10 ppm
 DNOP = 10 ppm
 DIDP = 100 ppm

5. Nonylphenol (NP), Octylphenol (OP) And Nonylphenol Ethoxylates (NPEO) Content

By solvent extraction with acetone and followed by Gas Chromatographic-Mass Spectrometry (GC-MS) and High Performance Liquid Chromatography-Mass spectrometry (HPLC-MS) analysis

Result (ppm)

Compound		(A)	(B)	<u>REQUIREMENT</u>
Compound	NP	22	45	100
	OP	ND	ND	-
	NPEO	ND	ND	-
	Total	22	45	1000

REMARK:

ppm = parts per million = mg/kg

ND = Not Detected

Detection limit = 10 ppm

6. Extractable Heavy Metal

With reference to ISO 105 E04 And DIN EN ISO 11885. By Inductively Coupled Argon Plasma Spectrometry (ICP)

Result

	(A)	(B)	<u>Infant/Adult REQUIREMENT</u>
Sol. Lead (Pb)	<0.1	<0.1	0.2/1.0
Sol. Cadmium (Cd)	<0.03	<0.03	0.1/0.1
Sol. Chromium (Cr)	<0.5	<0.5	1.0/2.0
Sol. Mercury (Hg)	<0.01	<0.01	0.02/0.02

REMARK:

ppm = parts per million = mg/kg

Sol = Soluble

< = less than

7. Qualitative Test For Polyvinyl Chloride (PVC)

(By Flame Test, Beilstein's Method)

Result

	(A)	(B)	<u>REQUIREMENT</u>
Tested Sample/Component	Negative	Negative	Negative

8. Polycyclic Aromatic Hydrocarbons (PAHs) Including BaP Content

As per the document ZEK 01.1-08 issued by the central experience exchange office (ZEK), by solvent extraction and determined by GC-MSD.

Result (ppm)

		(A)	(B)	<u>REQUIREMENT</u>
Naphtalane	91-20-3	ND	ND	-
Acenaphthylene	208-96-8	ND	ND	-
Acenaphthene	83-32-9	ND	ND	-
Fluorene	86-73-7	ND	ND	-
Phenanthrene	85-1-8	ND	ND	-
Anthracene	120-12-7	ND	ND	-
Fluoranthene	206-44-0	ND	ND	-
Pyrene	129-00-0	ND	ND	-
Chrysene	218-01-9	ND	ND	-
Benzo[a]Anthracene	56-55-3	ND	ND	-
Benzo[b]	205-99-2	ND	ND	-
Fluoranthene				-
Benzo[k]	207-08-9	ND	ND	BaP = 1 ppm
Fluoranthene				-
Benzo[a]Pyrene	50-32-8	ND	ND	-
(BaP)				-
Dibenzo[a,h]	53-70-3	ND	ND	Sum = 10 ppm
Anthracene				
Indeno[1,2,3-c,d]	193-39-5	ND	ND	
Pyrene				
Benzo[g,h,i]	191-24-2	ND	ND	
Perylene				
Sum Of		ND	ND	
PAHs				
Including				
BaP				

REMARK:

PPM = PARTS PER MILLION = MG/KG

ND = NOT DETECTED

DETECTION LIMIT = 0.2 PPM

END OF THE TEST REPORT