

TEST REPORT

No.KE/2010/21564

Date : 2010/03/05

Page 1 of 4



SHANGHAI BUTYL LIMITED
NO.18, LANE 1399, XINFENG ROAD, XINCHANG TOWN,
NANHUI DISTRICT, SHANGHAI, CHINA

The following sample(s) was(were) submitted by the client as:

Report on the submitted sample said to be:

Sample Description : Rubber .
Amount Of Sample : One.
Buyer's Name / Division : adidas group.
Summary Of Test Result : **Pass**
Failure test items : ---.
Age Group : Adults.
Material Name/Code : BB/BU.
Color Name/ Code : Black.
Supplier Name : ShangHai Butyl Limited.
Country Of Origin : China.
Country Of Destination : ---.
Material Component : Butyl Rubber.
Sample Classification : Rubber materials(201) .
Test Required Key code No. : Key code 201 under adidas A-01 Test Standard 2009 .
Report Type : Full Test (FT).
Full Test Report No.(Only for : ---.
SC*/NT*/IT*/ST*)
P.O. No. : ---.
Additional Information : ---.
Sample Received Date : 2010/02/24.
Sample Tested Date : 2010/02/24 ~ 2010/03/05.

Note: (SC*)(NT*)(IT*)(ST*) mark the full test reports No. ; (RT) this application just for T1 shoes factory; (SI) it is for supplier only and will not acceptable for adidas.

Summary of Test Result : (Detail test results on next page)

Test Parameter	Test Method	Conclusion (Pass/Fail)
Extractable Heavy Metals	Extraction in acidic perspiration solution. DIN EN ISO 105 E04 in acid solution, Analysis by AAS/ICP: DIN EN 1483:2007 / DIN EN ISO 11885:2008	Pass
Total Cadmium	Pre-treatment: EN 1122:2002 Anlysis by ICP:DIN EN ISO 11885:2008	Pass
Total Lead	Pre-treatment: Microwave digestion with H ₂ O ₂ /HNO ₃ Anlysis by ICP:DIN EN ISO 11885:2008	Pass

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TEST REPORT

No.KE/2010/21564

Date:2010/03/05

Page 2 of 4

Test Parameter	Test Method	Conclusion (Pass/Fail)
Phthalates (total)	acetone/hexane with ASE or Soxhlet Measurement with GC-MS	Pass
Organotin Compounds	Pre-treatment: with methanolic buffer with carbamate Test method acc. to ISO 17353:2004	Pass
Nonylphenol (NP), Octylphenol (OP), Nonylphenol ethoxylate (NPEO)	Extraction in acetone, Analysis by LC-MS	Pass
Benzo(a)pyrene (BaP)	ZEK 01.2-08	Pass
Polycyclic Aromatic Hydrocarbons (PAHs) including BaP	ZEK 01.2-08	Pass



Jerry

Jerry Tung / Supervisor
Signed for and on behalf of
SGS Taiwan Limited

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TEST REPORT

No.KE/2010/21564

Date:2010/03/05

Page 3 of 4

Detail Test Results:

Test Parameter	Test Sample	TLV (Infants/Adult)		Detection Limit	Test Result
		Infants	Adults		
Extractable Heavy Metals	(1)				
• Cadmium		0.1ppm	0.1ppm	0.1ppm	n.d.
• Chromium(total)		1ppm	2ppm	1.0ppm	n.d.
• Lead		0.2ppm	1ppm	0.2ppm	n.d.
• Mercury		0.02ppm	0.02ppm	0.02ppm	n.d.
Total Cadmium	(1)	40ppm		5ppm	n.d.
Total Lead	(1)	40ppm		Coating:20ppm Others:5ppm	10.7ppm
Phthalates	(1)	500ppm total		Refer to Annex I	n.d.
Organotin Compounds	(1)				
• Monobutyltin(MBT)		1ppm		0.02ppm	n.d.
• Dibutyltin(DBT)		1ppm		0.02ppm	n.d.
• Tributyltin(TBT)		0.05ppm		0.015ppm	n.d.
• Triphenyltin, TPhT		Infants(size 17-21 footwear):0.5ppm Adults:1ppm		0.02ppm	n.d.
• Nonylphenol(NP),	(1)	100ppm for NP		50ppm	n.d.
• Octylphenol(OP),				50ppm	n.d.
• Nonylphenol ethoxylate(NPEO)		1000ppm total		50ppm	n.d.
Benzo(a)pyrene (BaP)	(1)	1ppm		0.2ppm	n.d.
Polycyclic Aromatic Hydrocarbons (PAHs) including BaP (Refer to Annex II)	(1)	10ppm total		0.2ppm(each)	Naphthalene(NAP)=0.833ppm Phenanthrene(PHE)=0.579ppm Pyrene(PYR)=3.03ppm

Note : n.d. = Not Detected

* = Exceed the TLV

Tested samples / components:

(1) Black Rubber.

TEST REPORT

No.KE/2010/21564

Date:2010/03/05

Page 4 of 4

Annex I: List of Phthalates with Detection Limits

<u>Phthalate</u>	<u>CAS-No.</u>	<u>Detection Limit</u>
Diisononylphthalate, DINP	28553-12-0	100ppm
Di-n-octylphthalate, DNOP	117-84-0	100ppm
Di(2-ethylhexyl)phthalate, DEHP	117-81-7	30ppm
Diisodecylphthalate, DIDP	26761-40-0	100ppm
Butylbenzylphthalate, BBP	85-68-7	50ppm
Dibutylphthalate, DBP	84-74-2	30ppm

Annex II: List of PAHs

<u>PAHs</u>	<u>CAS-No.</u>
Naphthalene(NAP)	91-20-3
Acenaphthylene(ANY)	208-96-8
Acenaphthene(ANA)	83-32-9
Fluorene(FLU)	86-73-7
Phenanthrene(PHE)	85-01-8
Anthracene(ANT)	120-12-7
Fluoranthene(FLT)	206-44-0
Pyrene(PYR)	129-00-0
Benzo(a)anthracene(BaA)	56-55-3
Chrysene(CHR)	218-01-9
Benzo(b)fluoranthene(BbF)	205-99-2
Benzo(k)fluoranthene(BkF)	207-08-9
Benzo(a)pyrene(BaP)	50-32-8
Indeno(1,2,3-cd)pyrene(IPY)	193-39-5
Dibenzo(a,h)anthracene(DBA)	53-70-3
Benzo(g,h,i)perylene(BPE)	191-24-2

*** End of Report ***

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