

TEST REPORT

No.KE/2010/60903

Date : 2010/06/11

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TAIXIANG RUBBER (SHEN ZHEN) CO., LTD.
LISONG LANG INDUSTRIAL AREA GONG MING
TOWN,SHENZHEN CITY,CHINA

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

Report on the submitted sample said to be:

Sample Description : Vulcapellet® TiO₂-R80.
Amount Of Sample : One.
Buyer's Name / Division : Adidas Footwear .
Summary Of Test Result : **Pass**
Failure test items : ---.
Age Group : All ages.
Material Name/Code : Vulcapellet® TiO₂-R80.
Color Name/ Code : White.
Supplier Name : Taixiang Rubber(Shen Zhen)Co., Ltd..
Country Of Origin : China.
Country Of Destination : ---.
Material Component : Vulcapellet .
Sample Classification : ---.
Test Required Key code No. : Key code 206 under adidas A-01 Test Standard 2009.
Report Type : Full Test (FT).
P.O. No. : ---.
Additional Information : ---.
Sample Received Date : 2010/06/07.
Sample Tested Date : 2010/06/07 ~ 2010/06/11.

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

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Test Parameter	Test Method	Conclusion (Pass/Fail)
Total Lead	Pre-treatment: Microwave digestion with H ₂ O ₂ /HNO ₃ Analysis by ICP:DIN EN ISO 11885:2008	PASS
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



Jerry

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

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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	n.d.
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	76.6ppm
▪ Octylphenol(OP),				50ppm	n.d.
▪ Nonylphenol ethoxylate(NPEO)		1000ppm total		50ppm	n.d.

Note : n.d. = Not Detected

* = Exceed the TLV

Tested samples / components:

(1) White Vulcapellet® TiO₂-R80.

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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

*** End of Report ***

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