



Chemical Laboratory - Kao.,SGS Taiwan Ltd.

## TEST REPORT

No.KE/2014/81288

Date : 2014/08/20

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UGET PLASTICS CO., LTD.  
TANKENG 3RD IND. ZONE, HENGLI TOWN, DONGGUAN CITY, CHINA

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

### Report on the submitted sample said to be:

Sample Description	: Transparent TPU Pellets.
Amount Of Sample	: One.
Buyer's Name / Division	: Adidas Footwear .
Summary Of Test Result	: <b>Pass</b>
Failure test items	: ---.
Age Group	: All ages.
Material Name/Code	: Thermoplastic Polyurethane Elastomer/A-80A,A-85A,A-90A,A-95A,A-98A,A-64D,A-72D,A-82AQD8,A-95AQD8,A-98AQD8,A-55DQD8,A-60DQD8,A-64DQD8,A-72DQD8,A-55DQD9,A-64DQD9,LW85AQD8,LW92AQD8,A-60DQDX,A-64DQDX,C0-80AH,C0-85AHU,C0-90A,C-90A,C-98A,C-60D,C-64D,C-71D,C1-62D,C1-64D,C1-66D,C1-98A,E-195A,E-198A,E-290A,E-295A,E-298A,E-380A,E-385A,E-390A ,E-395A,E-475A,E-480A,E-485A,E-490A,E-495A,E-495A-1,EV-85A,EV-95A,EW-80A,EW-85A,EW-90A ,EW-95A,G-80A,G-83A,G-85A,G-85AT,G-90A,G-90AR,G-90AK,G-95A,G-98A, G-60D,G-64D,G-71D,G-72D,G-74D,G-80AU,G-85AU,G-95AU,G-90AUB,G-95AUB,G-98AUB,G-64DU,G-64DUB,G-195A,G-164D,G-380A,G-383A,G-385A,G-390A,G-392A,G-395A,G-398A,G-360D,G-365D,G-371D,I-75A,I-77A,I-80A, I-83A,S-62A,S-65A,S-70A,S-75A,S-275A,S-370A,T-0285A,T-0290A,T-0295A,T-0298A,T-0260D,T-1185A,T-1190A,T-1195A,T-1198A,T-1164D,T-1172D,T-1195AU,T-1164DU,T-1174DU,T-1164DS,T-1195AS,T-1290AS,T-1285AS,T-1295AS.
Color Name/ Code	: Transparent.
Supplier Name	: Uget Plastics Co., Ltd..
Country Of Origin	: China.
Country Of Destination	: Europe, America, Asia.
Material Component	: Thermoplastic Polyurethane Elastomer.
Sample Classification	: TPU materials(202).
Test Required Key code No.	: Key code 202 under adidas A-01 Test Standard 2013.
Report Type	: Full Test (FT).
Full Test Report No.(Only for SC*/NT*/IT*/ST*)	: ---.
P.O. No.	: ---.
Additional Information	: ---.
Sample Received Date	: 2014/08/15.
Sample Tested Date	: 2014/08/15 ~ 2014/08/20.
Sample Submitted By	: UGET PLASTICS CO., LTD..

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.

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### Summary of Test Result :

Test Parameter	Test Method	Conclusion (Pass/Fail)
Extractable Heavy Metals	Extraction in acidic perspiration solution: DIN EN ISO 105 E04:2013 in acid solution, Analysis by ICP-AES: DIN EN ISO 12846:2012 / DIN EN ISO 11885:2009	PASS
Total Cadmium	Pre-treatment: Microwave digestion Analysis by ICP-AES: DIN EN ISO 11885:2009	PASS
Total Lead	Pre-treatment: Microwave digestion with H <sub>2</sub> O <sub>2</sub> /HNO <sub>3</sub> Analysis by ICP-AES: DIN EN ISO 11885:2009	PASS
Σ Phthalates	dichloromethane with ASE, 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), Octylphenol ethoxylate (OPEO)	NP,OP: Extraction with dichloromethane, Analysis by LC-MS NPEO, OPEO: Extraction with methanol, Analysis by LC-MS	PASS

## KE/2014/81288



*Jerry Tung*

**Jerry Tung / Asst. Manager**  
**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
Extractable Heavy Metals	(1)	<u>Infants</u>	<u>Adults</u>		
▪ Cadmium		0.1ppm	0.1ppm	0.1ppm	n.d.
▪ Chromium		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.
Σ Phthalates	(1)	500ppm total		Refer to Annex I	n.d.
Organotin Compounds	(1)	1ppm 0.05ppm Infants(size ≤ 10,5 k UK footwear):0.5ppm Adults:1ppm		0.02ppm 0.02ppm 0.02ppm	n.d. n.d. n.d.
▪ Nonylphenol(NP), ▪ Octylphenol(OP), ▪ Nonylphenol ethoxylate(NPEO) ▪ Octylphenol ethoxylate (OPEO)	(1)	50ppm for NP, OP  500ppm total		50ppm 50ppm 50ppm 50ppm	n.d. n.d. n.d. n.d.

Note : n.d. = Not Detected

\* = Exceed the TLV

Tested samples / components:

(1) Transparent TPU Pellets.

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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	30ppm
Di(2-ethylhexyl)phthalate, DEHP	117-81-7	30ppm
Diisodecylphthalate, DIDP	26761-40-0	100ppm
Butylbenzylphthalate, BBP	85-68-7	30ppm
Dibutylphthalate, DBP	84-74-2	30ppm
Diisobutylphthalate, DIBP	84-69-5	30ppm
Di-C6-8-branched alkylphthalates, DIHP	71888-89-6	100ppm
Di-C711-branched alkylphthalates, DHNUP	68515-42-4	100ppm
Di-n-hexylphthalate, DHP	84-75-3	30ppm
Di-(2-methoxyethyl)-phthalate, DMEP	117-82-8	30ppm
Di-pentylphthalate, DPP	131-18-0	30ppm

\*\*\* End of Report \*\*\*

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