



Chemical Laboratory - Kao.,SGS Taiwan Ltd.

## Test Report

No. KE/2017/B1839

Date : Dec 06, 2017

Page 1 of 7

AN-DIANN ENTERPRISE CO., LTD.  
NO.71,CHENG GONG ST., GUAN TIAN INDUSTRIAL PARK,  
72046 TAINAN CITY , TAIWAN (R.O.C.)

The following sample(s) was/were submitted and identified by/on behalf of the client as :

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

Sample Description : TPE  
Division : Footwear Division  
Buyer's Name : Adidas  
Summary of Test Result : **Pass**  
Failure Test Items : ---  
Age Group : Adults / Infants  
Material Name / Code : TPE  
Color Name / Code : Black  
Material Component : EVA Foam  
Lot No./Purchase/Order No. : ---  
Supplier Name : An-Diann Enterprise Co., Ltd.  
Supplier Contact Person : Ms. Yang  
Country of Supplier : Taiwan  
Country of Destination : ---  
Sample Classification : EVA materials (200)  
Test Required Key Code No. : Key code 200 under Adidas A-01 Test Standard 2017  
Report Type : Full Test (FT)  
Full Test Report No. : ---  
Additional Information : ---  
Sample Received Date : Nov 30, 2017  
Sample Tested Date : Nov 30, 2017 To Dec 06, 2017  
Sample Submitted by : An-Diann Enterprise Co., Ltd.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

## Test Report

No. KE/2017/B1839

Date : Dec 06, 2017

Page 2 of 7

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

Test Parameter	Test Method	Conclusion (Pass/Fail)
Extractable Heavy Metals	Others: DIN EN ISO 105-E04:2013. Analysis by ICP-OES / ICP-MS - DIN EN ISO 11885:2009 and DIN EN ISO 12846:2012	Pass
Total Cadmium	Polymers: Acid digestion – EN 1122:2001 Analysis by ICP-OES: DIN EN ISO 11885:2009	Pass
Total Lead	Others: Microwave digestion. Analysis by ICP-OES: DIN EN ISO 11885: 2009	Pass
Organotin Compounds	ISO/TS 16179:2012	Pass
Σ Phthalates	CPSC-CH-C1001-09.3. Analysis by GC-MS.	Pass
Σ Nonylphenol (NP), Octylphenol (OP), Nonylphenol ethoxylate (NPEO), Octylphenol ethoxylate (OPEO)	NP,OP: Extraction with THF. Analysis by LC-MS NPEO,OPEO: Plastic: Solvent Extraction. Analysis by LC-MS	Pass
Nonylphenol (NP)	Extraction with THF. Analysis by LC-MS	Pass
Octylphenol (OP)	Extraction with THF. Analysis by LC-MS	Pass
Polycyclic Aromatic Hydrocarbons (PAHs) and regulated PAHs of high concern	AfPS GS 2014:01 PAK. Analysis by GC-MS	Pass
Acetophenone	Extraction in methanol, Analysis by GC/MS	Pass
2-Phenyl-2-propanol	Extraction in methanol, Analysis by GC/MS	Pass

**Sample Photo**

## KE/2017/B1839



*Jerry Tung*

**Jerry Tung / Manager - Tech  
Signed for and on behalf of  
SGS Taiwan Limited**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

# Test Report

No. KE/2017/B1839

Date : Dec 06, 2017

Page 3 of 7

## Component List / List of Materials

Article No.	Material No.	Component	Material
A	1	Black Foam	EVA Foam

## Detail Test Results:

### Extractable Heavy Metals

Test Method: Others: Extraction in acidic perspiration solution - DIN EN ISO 105-E04:2013.  
Analysis by ICP-OES / ICP-MS - DIN EN ISO 11885: 2009 and DIN EN ISO 12846:2012.

	CAS-No.	Result
		<b>1</b>
Cadmium (Cd)	7440-43-9	n.d.
Chromium (Cr)	7440-47-3	n.d.
Lead (Pb)	7439-92-1	n.d.
Mercury (Hg)	7439-97-6	n.d.
<b>Conclusion</b>	--	<b>PASS</b>

Note: n.d. = not detected

Requirement:	Infants (ppm)	Adults (ppm)	Detection Limit (ppm)
<b>Cadmium</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>
<b>Chromium</b>	<b>1.0</b>	<b>2.0</b>	<b>1.0</b>
<b>Lead</b>	<b>0.2</b>	<b>1.0</b>	<b>0.2</b>
<b>Mercury</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>

### Total Cadmium

Test Method: Polymers: Acid digestion: EN 1122:2001  
Analysis by ICP-OES -DIN EN ISO 11885:2009.

	CAS No.	Result
		<b>1</b>
Cadmium (Cd)	7440-43-9	n.d.
<b>Conclusion</b>		<b>PASS</b>

Note: n.d. = not detected  
Detection Limit = 5 ppm

**Requirement: 40 ppm**

## Test Report

No. KE/2017/B1839

Date : Dec 06, 2017

Page 4 of 7

### Total Lead

Test Method: Others: Microwave digestion.  
Analysis by ICP-OES: DIN EN ISO 11885: 2009

	<u>CAS No.</u>	<u>Result</u>
		<u>1</u>
Total Lead	7439-92-1	n.d.
<b>Conclusion</b>		<b>PASS</b>

Note: n.d. = not detected  
Detection Limit = 5 ppm

**Requirement: 40 ppm**

### Organotin Compounds

Test Method: ISO/TS 16179:2012. Analysis was performed by GC-FPD/GC-MS.

	<u>CAS-No.</u>	<u>Result</u>
		<u>1</u>
Tributyltin (TBT)	--	n.d.
Triphenyltin (TPhT)	--	n.d.
Dibutyltin (DBT)	--	n.d.
Diocetyl tin (DOT)	--	n.d.
Monobutyltin (MBT)	--	n.d.
Monooctyltin (MOT)	--	n.d.
Triocetyl tin (TOT)	--	n.d.
<b>Conclusion</b>	--	<b>PASS</b>

Note: n.d. = not detected  
Detection Limit = 0.05 ppm (for individual compound)

#### Requirement:

TBT	Not Detected
TPhT	0.5 ppm (Infants) / 1 ppm (Adults)
DBT	1 ppm
DOT	1 ppm
MBT	1 ppm
MOT	1 ppm
TOT	1 ppm

# Test Report

No. KE/2017/B1839

Date : Dec 06, 2017

Page 5 of 7

## Phthalates

Test Method: CPSC-CH-C1001-09.3. Analysis was performed by GC-MS.

	<u>CAS No.</u>	<u>Result</u>
		<b>1</b>
Diisononylphthalate (DINP)	28553-12-0	n.d.
Di- <i>n</i> -octylphthalate (DNOP)	117-84-0	n.d.
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7	n.d.
Diisodecylphthalate (DIDP)	26761-40-0	n.d.
Butylbenzylphthalate (BBP)	85-68-7	n.d.
Dibutylphthalate (DBP)	84-74-2	n.d.
Diisobutylphthalate (DIBP)	84-69-5	n.d.
Di-C6-8-branched alkylphthalates (DIHP)	71888-89-6	n.d.
Di-C711-branched alkylphthalates (DHNUP)	68515-42-4	n.d.
Di- <i>n</i> -hexylphthalate (DHP)	84-75-3	n.d.
Di-(2-methoxyethyl)-phthalate (DMEP)	117-82-8	n.d.
Dipentylphthalate (DPP)	131-18-0	n.d.
Dicyclohexyl phthalate (DCHP)	84-61-7	n.d.
Total	--	n.d.
<b>Conclusion</b>	--	<b>PASS</b>

Note: n.d. = not detected  
 Detection Limit: 50 ppm (for individual compound)

**Requirement: 500 ppm (Total)**

## Σ of NP,OP, NPEO and OPEO

Test Method:

NP, OP: Extraction with THF. Analysis was performed by LC-MS.

NPEO, OPEO: Solvent extraction. Analysis was performed by LC-MS.

	<u>Result</u>
	<b>1</b>
Nonylphenol (NP)	n.d.
Octylphenol (OP)	n.d.
Nonylphenol ethoxylates (NPEO)	n.d.
Octylphenol ethoxylates (OPEO)	n.d.
Sum of NP,OP, NPEO and OPEO	n.d.
<b>Conclusion</b>	<b>PASS</b>

Note: n.d. = not detected  
 Detection Limit = 3 ppm

**Requirement:**  
**10 ppm (NP)**  
**10 ppm (OP)**  
**100 ppm (sum of NP, OP, NPEO and OPEO)**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**Polycyclic Aromatic Hydrocarbons (PAHs) and Regulated PAHs of High Concern**

Test Method: AfPS GS 2014:01 PAK. Analysis was performed by GC-MS.

	<u>CAS No.</u>	<u>Result</u>
		<b>1</b>
Naphthalene (NAP)	91-20-3	n.d.
Acenaphthylene (ANY)	208-96-8	n.d.
Acenaphthene (ANA)	83-32-9	n.d.
Fluorene (FLU)	86-73-7	n.d.
Phenanthrene (PHE)	85-01-8	n.d.
Anthracene (ANT)	120-12-7	n.d.
Fluoranthene (FLT)	206-44-0	n.d.
Pyrene (PYR)	129-00-0	0.332 ppm
Benzo(j)fluoranthene (BjF)	205-82-3	n.d.
Benzo(a)anthracene (BaA)	56-55-3	n.d.
Chrysene (CHR)	218-01-9	n.d.
Benzo(b)fluoranthene (BbF)	205-99-2	n.d.
Benzo(k)fluoranthene (BkF)	207-08-9	n.d.
Benzo(a)pyrene (BaP)	50-32-8	n.d.
Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	n.d.
Dibenzo(a,h)anthracene (DBA)	53-70-3	n.d.
Benzo(g,h,i)perylene (BPE)	191-24-2	n.d.
Benzo(e)pyrene (BeP)	192-97-2	n.d.
Total 18 PAHs	--	0.332 ppm
<b>Conclusion</b>	--	<b>PASS</b>

Note: n.d. = not detected  
 Detection Limit = 0.1 ppm (for individual compound)

<b>Requirement:</b>	<b>Infants</b>	<b>Adults</b>
<b>Σ of PAHs</b>	<b>10 ppm</b>	<b>10 ppm</b>
	<b>(Total)</b>	<b>(Total)</b>
<b>Benzo(a)anthracene (BaA)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Benzo(a)pyrene (BaP)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Benzo(b)fluoranthene (BbF)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Benzo(e)pyrene (BeP)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Benzo(j)fluoranthene (BjF)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Benzo(k)fluoranthene (BkF)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Chrysene (CHR)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>
<b>Dibenzo(a,h)anthracene (DBA)</b>	<b>0.5 ppm</b>	<b>1 ppm</b>

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**Acetophenone, 2-Phenyl-2-Propanol**

Test Method: Extraction with methanol. Analysis by GC-MS

	<u>CAS No.</u>	<u>Result</u>
		<b>1</b>
Acetophenone	98-86-2	n.d.
2-Phenyl-2-propanol	617-94-7	12.2 ppm
<b>Conclusion</b>		<b>PASS</b>

Note: n.d. = not detected  
 Detection Limit = 5 ppm (for individual compound)

**Requirement: 50 ppm (for individual compound)**

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.