



Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute Hong Kong Association for Testing, Inspection and Certification Limited
American Society for Testing and Materials Hong Kong Toys Council
British Standards Institute

TEST REPORT

Number: TJ01725367-S1

Applicant: MATSUI SHIKISO CHEMICAL COMPANY LIMITED
64 KAMIKAZAN SAKURADANI-CHO
YAMASHINA-KU
KYOTO 607-8466
JAPAN

Date: Jun 22, 2007
This is to supersede report no.
TJ01725367 dated May 23, 2007

Attn: --

Sample Description As Declared :

Two (2) submitted samples said to be material in Clear color marked as 301C-8 marked as :

(1) Wet form.

(2) Dry form.

Item No. : 0301453.
Category : Baby/Adult.
Supplier/Contact Person : Matsui Shikiso Chemical.
Country of Supplier : Japan.
Adidas Division : Apparel.
Sample Received Date : MAY 10, 2007

Conclusion :

| <u>Tested Sample/Component</u> | <u>Standard</u> | <u>Result</u> |
|--------------------------------|--|---------------|
| | Adidas A-01 Policy No. 01 Testing Requirements | |
| (1) | - Total Cadmium | Pass |
| | - Pentachlorophenol (PCP) | Pass |
| | - Tetrachlorophenol (TeCP) | Pass |
| | - O-Phenylphenol (OPP) | Pass |
| | - Azo Dyes (Amines) | Pass |
| | - Formaldehyde | Fail |
| | - Disperse Dyes (Annex 5a) | Pass |
| | - Tributyltin (TBT) | Pass |
| | - Monobutyltin (MBT) | Pass |
| | - Dibutyltin (DBT) | Pass |
| | - Phthalates | Pass |
| | - NP/OP/NPEO (Sum) | Pass |
| (2) | - Extractable Heavy Metals | Pass |
| | - Formaldehyde | Pass |

For and on behalf of
Intertek Testing Services Hong Kong Limited

Michael M.H. Fok
General Manager
Textile And Footwear Division

TEST REPORT

Number: TJ01725367-S1

Tests Conducted (As Requested By The Applicant)

1 Detection Of Amines In Dyestuff:

As Per German Test Procedure §35 Of The Food And Commodities Act B-82.02, Detected By Gas Chromatographic-Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic Analysis (HPLC-DAD).

Test Method : Textile Method (§35 LMBG B82.02-2 Jun 2004)
Leather Method (§35 LMBG B82.02-3 (V) Jun 2004)
Polyester Method (§35 LMBG B82.02-4 Jun 2004)
p-Aminoazobenzene (§64 LFGB B82.02-9 SEP 2006)

| <u>Forbidden</u> | <u>Cas No.</u> | <u>Result</u> <u>Non-Polyester</u> (1) |
|--|----------------|--|
| 1. 4-Aminodiphenyl | 92-67-1 | N |
| 2. Benzidine | 92-87-5 | N |
| 3. 4-Chloro-O-Toluidine | 95-69-2 | N |
| 4. 2-Naphthylamine | 91-59-8 | N |
| 5. O-Aminoazotoluene | 97-56-3 | N |
| 6. 2-Amino-4-Nitrotoluene | 99-55-8 | N |
| 7. P-Chloroaniline | 106-47-8 | N |
| 8. 2,4-Diaminoanisole | 615-05-4 | N |
| 9. 4,4'-Diaminodiphenylmethane | 101-77-9 | N |
| 10. 3,3'-Dichlorobenzidine | 91-94-1 | N |
| 11. 3,3'-Dimethoxybenzidine | 119-90-4 | N |
| 12. 3,3'-Dimethylbenzidine | 119-93-7 | N |
| 13. 3,3'-Dimethyl-4,4'diaminodiphenylmethane | 838-88-0 | N |
| 14. P-Cresidine | 120-71-8 | N |
| 15. 4,4'-Methylene-Bis(2-Chloroaniline) | 101-14-4 | N |
| 16. 4,4'-Oxydianiline | 101-80-4 | N |
| 17. 4,4'-Thiodianiline | 139-65-1 | N |
| 18. O-Toluidine | 95-53-4 | N |
| 19. 2,4-Toluylenediamine | 95-80-7 | N |
| 20. 2,4,5-Trimethylaniline | 137-17-7 | N |
| 21. 2-Methoxyaniline | 90-04-0 | N |



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Detection Of Amines In Dyestuff (Cont'd)

| | | | |
|-----|-------------------|---------|---|
| 22. | p-Aminoazobenzene | 60-09-3 | N |
| 23. | 2,4-Xylidine | 95-68-1 | N |
| 24. | 2,6-Xylidine | 87-62-7 | N |

Remark : N = Not detected (Less than 20 ppm)
Detection Limit = 5 ppm
Adidas TLV = 30 ppm
ppm = parts per million = mg/kg

Date Sample Received : MAY 10, 2007
Testing Period : MAY 10, 2007 To MAY 18, 2007

2 Total Cadmium (Cd) Content:

As Per EN1122 Method B Or By Acid Digestion. Total Cadmium Content Was Determined By Inductively Coupled Argon Plasma Spectrometry.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|--------------------------|
| (1) | <5 | 50 |

Remark : ppm = parts per million = mg/kg
< = Less than

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Tests Conducted (As Requested By The Applicant)

3 Penta-Chlorophenol (PCP) Content:

By KOH Extraction And Gas Chromatographic Analysis Using Electron Capture Detector Or Mass-Spectrometric Detector.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|---------------------------|
| (1) | <0.05 | 0.5 0.05 (For Infants) |

Remark : ppm = parts per million = mg/kg
< = Less than

Date Sample Received : MAY 10, 2007
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4 2,3,5,6-Tetrachlorophenol (TeCP) Content:

By KOH Extraction And Gas Chromatographic Analysis Using Electron Capture Detector Or Mass-Spectrometric Detector.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|---------------------------|
| (1) | <0.05 | 0.5 0.05 (For Infants) |

Remark : < = Less than
ppm = parts per million = mg/kg

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5 Orthophenyl Phenol (OPP) Content:

By KOH Extraction And Gas Chromatographic Analysis Using Electron Capture Detector Or Mass-Spectrometric Detector.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|--------------------------------------|
| (1) | <0.5 | 100 (For Adults) 50 (For Infants) |

Remark : < = Less than
ppm = parts per million = mg/kg

Date Sample Received : MAY 10, 2007
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6 Formaldehyde Content:

As Per Japan Law 112 Method/DIN 53315.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|---------------------------------------|
| (1) | 23* | 13/20 (For Infants) 75 (For Adult) |
| (2) | <5 | 13/20 (For Infants) 75 (For Adult) |

Remark : ppm = parts per million = mg/kg
* = Failed item (For infants)

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Tests Conducted (As Requested By The Applicant)

7 Allergenic Disperse Dyes:

As Per DIN 54231, By Liquid Chromatography – Mass Spectrometric (LC-MS) Analysis.

| <u>Compound</u> | <u>Result In ppm</u> |
|-----------------------|----------------------|
| | (1) |
| Disperse Blue 1 | <20 |
| Disperse Blue 35 | <20 |
| Disperse Blue 106 | <20 |
| Disperse Blue 124 | <20 |
| Disperse Orange 3 | <20 |
| Disperse Orange 37/76 | <20 |
| Disperse Yellow 3 | <20 |
| Disperse Yellow 23 | <20 |
| Disperse Red 1 | <20 |

Adidas TLV : 50 ppm (Max.)

Remark : ppm = parts per million = mg/kg

< = Less than

Detection limit =20 ppm

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8 Nonylphenol (NP), Octylphenol (OP) And Nonylphenol Ethoxylates (NPEO) Content:

By Solvent Extraction And Followed By Gas Chromatographic - Mass Spectrometric (GC-MS) Or Liquid Chromatographic - Mass Spectrometric (LC-MS) Analysis.

| <u>Compound</u> | <u>Result In ppm</u> (1) | <u>Adidas TLV In ppm</u> (Max.) |
|-----------------|-----------------------------|------------------------------------|
| NP | <100 | |
| OP | <100 | |
| NPEO | <100 | |
| Total | <100 | 1000 |

Remark : < = Less than

ppm = parts per million = mg/kg

Detection limit = 100 ppm

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9 Phthalate Content Test:

By Diethyl Ether Extraction, Followed By Gas Chromatographic-Mass Spectrometric (GC-MS) Analysis.

| | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> <u>(Max.)</u> |
|---------------------------------|----------------------|---|
| | (1) | |
| Dibutyl Phthalate (DBP) | <100 | |
| Diethyl Hexyl Phthalate (DEHP) | <100 | |
| Di-(Iso-Nonyl) Phthalate (DINP) | <100 | |
| Benzyl Butyl Phthalate (BBP) | <100 | |
| Di-(N-Octyl) Phthalate (DNOP) | <100 | |
| Di-(Iso-Decyl) Phthalate (DIDP) | <100 | |
| Sum Of Six Phthalates | <100 | 500 |

Remark : Detection limit = 100 ppm
 ppm = parts per million = mg/kg
 < = Less than

Date Sample Received : MAY 10, 2007
 Testing Period : MAY 10, 2007 To MAY 18, 2007

10 Mono-Butyl Tin (MBT) Content:

With Reference To DIN 38407-13, By Gas Chromatographic Mass-Spectrometric (GC-MS) Analysis.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|--------------------------|
| (1) | <0.05 | 1 |

Remark : Detection limit = 0.05 ppm
 < = Less than
 ppm = parts per million = mg/kg

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11 Di-Butyl Tin (DBT) Content:

With Reference To DIN 38407-13, By Gas Chromatographic Mass-Spectrometric (GC-MS) Analysis.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> |
|----------------------|----------------------|--------------------------|
| (1) | <0.05 | 1 |

Remark : Detection limit = 0.05 ppm
< = Less than
ppm = parts per million = mg/kg

Date Sample Received : MAY 10, 2007
Testing Period : MAY 10, 2007 To MAY 18, 2007

12 Tri-Butyl Tin (TBT) Content:

With Reference To DIN 38407-13, By Gas Chromatographic Mass-Spectrometric (GC-MS) Analysis.

| <u>Tested Sample</u> | <u>Result In ppm</u> | <u>Adidas TLV</u> |
|----------------------|----------------------|-------------------|
| (1) | ND | ND |

Remark : ND = Not Detected
Detection limit = 0.05 ppm
ppm = parts per million = mg/kg

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13 Heavy Metal Analysis:

With Reference To ISO 105 E04. By Inductively Coupled Argon Plasma Spectrometry (ICP).

| <u>Element</u> | <u>Result In ppm</u> | <u>Adidas TLV In ppm</u> <u>(Infants) / (Adults)</u> |
|--------------------------|----------------------|---|
| | (2) | |
| Sol. Antimony (Sb) | <1 | 5.0 / 10.0 |
| Sol. Lead (Pb) | <0.1 | 0.2/1.0 |
| Sol. Cadmium (Cd) | <0.03 | 0.1/0.1 |
| Sol. Mercury (Hg) | <0.01 | 0.02/0.02 |
| Sol. Chromium (Cr-Total) | <0.5 | 1.0/2.0 |

Remark : Sol. = Soluble

ppm = parts per million = mg/kg

< = Less than

Date Sample Received : MAY 10, 2007

Testing Period : MAY 10, 2007 To JUN 14, 2007



To : MATSUI SHIKISO CHEMICAL COMPANY LIMITED
Attention : --

Date : Jun 22, 2007

Re : Report Revision Notification

Labtest Report Number TJ01725367 date MAY 23, 2007

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number TJ01725367-S1 , issued on Jun 22, 2007 .

Thank you for your attention

For and on behalf of
Intertek Testing Services Hong Kong Limited

Michael M.H. Fok
General Manager
Textile And Footwear Division