



Test Report

No. SH10177989/TX

Date: Sep 6, 2010

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KOS Promopack Co.,Ltd

FLOOR 6 NO.7A HUANGHE SOUTH STREET, HUANGGU DIST, SHENYANG CITY, LIAONING PROVINCE, CHINA

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

Sample Description : One sample of non-woven polyethylene shopping bag (handle tape: polypropylene) in multi color

Buyer : ALPHA IMPEX BV

Order No. : 10TS05024

Manufacturer : KOS Promopack Co.,Ltd

Country of Destination : HOLLAND

Test Performed : Selected test(s) as requested by applicant

* * * * *

Sample Receiving Date : AUG. 31, 2010

Testing Period : SEP. 01, 2010 –SEP. 06, 2010

Test Result(s) : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Ltd.

Kathy Dong (Account Executive)

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Test Result
Azo Dyes

Test Method:

Textile: According to EN 14362-1:2003– Analysis was conducted with GC-MS/HPLC-DAD.

| Amines | CAS No. | Result (mg/kg) | Max. Limit (mg/kg) |
|--|----------|-------------------|-----------------------|
| | | Blue tape | |
| 4-Aminobiphenyl | 92-67-1 | n.d. | 30 |
| Benzidine | 92-87-5 | n.d. | 30 |
| 4-Chloro-o-toluidine | 95-69-2 | n.d. | 30 |
| 2-Naphthylamine | 91-59-8 | n.d. | 30 |
| o-Aminoazotoluene | 97-56-3 | n.d. | 30 |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. | 30 |
| 4-Chloroaniline | 106-47-8 | n.d. | 30 |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoaniso | 615-05-4 | n.d. | 30 |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. | 30 |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. | 30 |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. | 30 |
| 3,3'-Dimethylbenzidine | 119-93-7 | n.d. | 30 |
| 4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | n.d. | 30 |
| p-Cresidine | 120-71-8 | n.d. | 30 |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. | 30 |
| 4,4'-Oxydianiline | 101-80-4 | n.d. | 30 |
| 4,4'-Thiodianiline | 139-65-1 | n.d. | 30 |
| o-Toluidine | 95-53-4 | n.d. | 30 |
| 4-methyl-m-phenylenediamine / 2,4-Toluyldiamine | 95-80-7 | n.d. | 30 |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. | 30 |
| 4-aminoazobenzene | 60-09-3 | n.d. | 30 |
| O-Anisidine | 90-04-0 | n.d. | 30 |
| Conclusion | | Pass | |

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

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Remark: Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as “not detected” (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method

Max. limit specified by entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).

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Azo Dyes

Test Method:

Ref. EN 14362-1:2003– Analysis was conducted with GC-MS/HPLC-DAD.

| Amines | CAS-No. | Result (mg/kg) |
|--|----------------|-----------------------------------|
| | | <u>The most dark green</u> |
| 4-Aminobiphenyl | 92-67-1 | n.d. |
| Benzidine | 92-87-5 | n.d. |
| 4-Chloro-o-toluidine | 95-69-2 | n.d. |
| 2-Naphthylamine | 91-59-8 | n.d. |
| o-Aminoazotoluene | 97-56-3 | n.d. |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. |
| 4-Chloroaniline | 106-47-8 | n.d. |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole | 615-05-4 | n.d. |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. |
| n.d.3,3'-Dimethybenzidine | 119-93-7 | n.d. |
| 4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | n.d. |
| p-Cresidine | 120-71-8 | n.d. |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. |
| 4,4'-Oxydianiline | 101-80-4 | n.d. |
| 4,4'-Thiodianiline | 139-65-1 | n.d. |
| o-Toluidine | 95-53-4 | n.d. |
| 4-methyl-m-phenylenediamine / 2,4-Toluyldiamine | 95-80-7 | n.d. |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. |
| 4-aminoazobenzene | 60-09-3 | n.d. |
| O-Anisidine | 90-04-0 | n.d. |
| Conclusion | | # |

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

Remark: For textiles no relevant amine exceeding 30 ppm (mg/kg) is required, the test method is only applicable for textile and the result is only for client's information.

Remark: Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method

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Azo Dyes

Test Method:

Ref. EN 14362-1:2003– Analysis was conducted with GC-MS/HPLC-DAD.

| Amines | CAS-No. | Result (mg/kg) |
|--|----------------|---|
| | | <u>The light green in the sunlight</u> |
| 4-Aminobiphenyl | 92-67-1 | n.d. |
| Benzidine | 92-87-5 | n.d. |
| 4-Chloro-o-toluidine | 95-69-2 | n.d. |
| 2-Naphthylamine | 91-59-8 | n.d. |
| o-Aminoazotoluene | 97-56-3 | n.d. |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. |
| 4-Chloroaniline | 106-47-8 | n.d. |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole | 615-05-4 | n.d. |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. |
| n.d.3,3'-Dimethylbenzidine | 119-93-7 | n.d. |
| 4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | n.d. |
| p-Cresidine | 120-71-8 | n.d. |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. |
| 4,4'-Oxydianiline | 101-80-4 | n.d. |
| 4,4'-Thiodianiline | 139-65-1 | n.d. |
| o-Toluidine | 95-53-4 | n.d. |
| 4-methyl-m-phenylenediamine / 2,4-Toluyldiamine | 95-80-7 | n.d. |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. |
| 4-aminoazobenzene | 60-09-3 | n.d. |
| O-Anisidine | 90-04-0 | n.d. |
| Conclusion | | # |

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

Remark: For textiles no relevant amine exceeding 30 ppm (mg/kg) is required, the test method is only applicable for textile and the result is only for client's information.

Remark: Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method

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Azo Dyes

Test Method:

Ref. EN 14362-1:2003– Analysis was conducted with GC-MS/HPLC-DAD.

| Amines | CAS-No. | Result (mg/kg) |
|--|----------------|---------------------------|
| | | Blue background |
| 4-Aminobiphenyl | 92-67-1 | n.d. |
| Benzidine | 92-87-5 | n.d. |
| 4-Chloro-o-toluidine | 95-69-2 | n.d. |
| 2-Naphthylamine | 91-59-8 | n.d. |
| o-Aminoazotoluene | 97-56-3 | n.d. |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. |
| 4-Chloroaniline | 106-47-8 | n.d. |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole | 615-05-4 | n.d. |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. |
| n.d.3,3'-Dimethybenzidine | 119-93-7 | n.d. |
| 4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | n.d. |
| p-Cresidine | 120-71-8 | n.d. |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. |
| 4,4'-Oxydianiline | 101-80-4 | n.d. |
| 4,4'-Thiodianiline | 139-65-1 | n.d. |
| o-Toluidine | 95-53-4 | n.d. |
| 4-methyl-m-phenylenediamine / 2,4-Toluyldiamine | 95-80-7 | n.d. |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. |
| 4-aminoazobenzene | 60-09-3 | n.d. |
| O-Anisidine | 90-04-0 | n.d. |
| Conclusion | | # |

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

Remark: For textiles no relevant amine exceeding 30 ppm (mg/kg) is required, the test method is only applicable for textile and the result is only for client's information.

Remark: Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method

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Azo Dyes

Test Method:

Ref. EN 14362-1:2003– Analysis was conducted with GC-MS/HPLC-DAD.

| Amines | CAS-No. | Result (mg/kg) (Blue+ White) design |
|--|----------|--|
| 4-Aminobiphenyl | 92-67-1 | n.d. |
| Benzidine | 92-87-5 | n.d. |
| 4-Chloro-o-toluidine | 95-69-2 | n.d. |
| 2-Naphthylamine | 91-59-8 | n.d. |
| o-Aminoazotoluene | 97-56-3 | n.d. |
| 5-nitro-o-toluidine / 2-Amino-4-nitrotoluene | 99-55-8 | n.d. |
| 4-Chloroaniline | 106-47-8 | n.d. |
| 4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole | 615-05-4 | n.d. |
| 4,4'-Diaminodiphenylmethane | 101-77-9 | n.d. |
| 3,3'-Dichlorobenzidine | 91-94-1 | n.d. |
| 3,3'-Dimethoxybenzidine | 119-90-4 | n.d. |
| n.d.3,3'-Dimethybenzidine | 119-93-7 | n.d. |
| 4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane | 838-88-0 | n.d. |
| p-Cresidine | 120-71-8 | n.d. |
| 4,4'-Methylene-bis-(2-chloroaniline) | 101-14-4 | n.d. |
| 4,4'-Oxydianiline | 101-80-4 | n.d. |
| 4,4'-Thiodianiline | 139-65-1 | n.d. |
| o-Toluidine | 95-53-4 | n.d. |
| 4-methyl-m-phenylenediamine / 2,4-Toluyldiamine | 95-80-7 | n.d. |
| 2,4,5-Trimethylaniline | 137-17-7 | n.d. |
| 4-aminoazobenzene | 60-09-3 | n.d. |
| O-Anisidine | 90-04-0 | n.d. |
| Conclusion | | # |

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

Remark: For textiles no relevant amine exceeding 30 ppm (mg/kg) is required, the test method is only applicable for textile and the result is only for client's information.

Remark: Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e. <5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method

End of Report

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