



Test Report

No.: GZ1105055562/CHEM

Date: MAY 13, 2011

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DONGGUAN IN MEI COATING CO., LTD
TIANXIN AREA, HUANGJIANG TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

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

SGS Job No. : SZ13108788
SGS Internal Reference No. : 6.3
Client Reference Information : SEE REMARK
Date of Sample Received : MAY 06, 2011
Testing Period : MAY 06, 2011 TO MAY 11, 2011

Test Requested : Selected test (s) as requested by client.

Test Method : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Ltd.

Manson Yang
Approved Signatory

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Test Results:

Description for specimen 1 : Purple ink

Azo Dye

Test item(s)	Unit	Test Method (Reference)	Result	MDL
4-Aminobiphenyl/xenylamine/biphenyl-4-ylamine (CAS NO: 92-67-1)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
Benzidine (CAS NO: 92-87-5)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
4-Chloro- <i>o</i> -toluidine (CAS NO: 95-69-2)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2-Naphthylamine (CAS NO: 91-59-8)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
<i>o</i> -Aminoazotoluene/4- <i>o</i> -Tolylazo- <i>o</i> -toluidine/4-Amino-2',3-dimethylazobenzene (CAS NO: 97-56-3)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2-Amino-4-nitrotoluene/5-nitro- <i>o</i> -toluidine (CAS NO: 99-55-8)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
<i>p</i> -Chloroaniline /4-Chloroaniline (CAS NO: 106-47-8)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2,4-Diaminoanisole/4-Methoxy- <i>m</i> -phenylenediamine (CAS NO: 615-05-4)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
4,4'-Diaminodiphenylmethane/4,4'-Methylenedianiline (CAS NO: 101-77-9)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
3,3'-Dichlorobenzidine/3,3'-Dichlorobiphenyl-4,4'-ylenediamine (CAS NO: 91-94-1)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
3,3'-Dimethoxybenzidine/ <i>o</i> -Dianisidine (CAS NO: 119-90-4)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
3,3'-Dimethylbenzidine/4,4'-Bi- <i>o</i> -toluidine (CAS NO: 119-93-7)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
3,3'-Dimethyl-4,4'-diaminodiphenylmethane/4,4'-methylenedi- <i>o</i> -toluidine (CAS NO: 838-88-0)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
<i>p</i> -Cresidine/6-Methoxy- <i>m</i> -toluidine (CAS NO: 120-71-8)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
4,4'-Methylene-bis-(2-chloro-aniline)/2,2'-Dichloro-4,4'-methylene-dianiline (CAS NO: 101-14-4)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
4,4'-Oxydianiline (CAS NO: 101-80-4)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
4,4'-Thiodianiline (CAS NO: 139-65-1)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
<i>o</i> -Toluidine/2-Aminotoluene (CAS NO: 95-53-4)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2,4-Toluylenediamine/4-Methyl- <i>m</i> -phenylenediamine (CAS NO: 95-80-7)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2,4,5-Trimethylaniline (CAS NO: 137-17-7)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
4-Aminoazobenzene ^Δ (CAS NO: 60-09-3)	mg/kg	EN 14362-1:2003 & § 64 LFGB BVL B 82.02.9:2008, GC-MS & HPLC	N.D.	5
<i>o</i> -Anisidine/2-Methoxyaniline (CAS NO: 90-04-0)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2,4-Xylidine (CAS NO: 95-68-1)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5
2,6-Xylidine (CAS NO: 87-62-7)	mg/kg	EN 14362-1:2003, GC-MS & HPLC	N.D.	5

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 14362-1:2003 is corresponding to § 64 LFGB BVL B 82.02.2:2004 of German Commodities Ordinance.
5. ^Δ: The EN 14362-1:2003 method will enable further cleavage of 4-aminoazobenzene to non- forbidden amines: aniline and 1,4-phenylenediamine. If the 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

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method. Otherwise, the test method of § 64 LFGB BVL B 82.02.9:2008 was employed to verify the presence of 4-aminoazobenzene.

6. The result(s) shown is/are of the total weight of wet sample.

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) :

No relevant amine exceeding 30 mg/kg

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REMARK:

Mixture of: S001 (SB) 、 S002 (SBC) 、 S003 (SBD) 、 S004 (SBN) 、 S006 (SS) 、 S007 (SSN) 、 S008 (SA) 、 S010[(SPA) 、 (SPAN)]、 S886 (SGT) 、 S011 (PA) 、 S019 (BL) 、 S009 (SL) 、 C001 (SLF) 、 S354 (SPY) 、 S350 (SPL) 、 S351 (SPLA) 、 S352 (SPLC) 、 S650 (RP) 、 S651 (EVA) 、 S888 (SG) 、 S444 (SPET) 、 S505、 S560(PSC)、 C003 (SCC) 、 S266 (SPP) 、 A001 (AC) 、 A004 (AD) 、 A003 (ACNP) 、 A002 (ACN) 、 A521 (PSNP) 、 A505 (PS) 、 A005 (APA) 、 A006 (APAC) 、 A007 (APANP) 、 A616 (TPR) 、 A617 (TAR) 、 A618 (TCR) 、 A619 (THR) 、 A101 (APE) 、 G007 (PV) 、 G003 (PVA) 、 G004 (PVAN) 、 G001 (VD) 、 G002 (VDN) 、 G008 (VT) 、 G350 (VPU) 、 G005 (VHC) 、 G006 (VGA) 、 G122[(DPE) 、 (ZPE)]、 G126 (HH) 、 G124 (HPE) 、 F111 (FA) 、 G275 (OPP) 、 G430 (PETN) 、 G431 (PET) 、 G432 (PB) 、 A532 (PSA) 、 S355 (PU) 、 A810 (SAC) 、 A812 (SANC) 、 A811 (SAD) 、 S440 (SRD) 、 A525 (UV) 、 G709 (PL) 、 G132 (PPB) 、 G708 (PT) 、 G707 (T) 、 G010 (VPVN) 、 G123[(ZPEVA) 、 DPE (F)]—01100 (110) 、 10200 (102) 、 10400 (104) 、 20010 (200) 、 20300 (203) 、 20600 (206) 、 20700 (207) 、 20900 (209) 、 21000 (210) 、 30000 (300) 、 30100 (301) 、 30200 (302) 、 30300 (303) 、 30400 (304) 、 30600 (306) 、 30700 (307) 、 30800 (308) 、 30730 (3073) 、 30740 (3074) 、 30380 (3038) 、 31400 (314) 、 31500 (315) 、 40100 (401) 、 40200 (402) 、 40300 (403) 、 40400 (404) 、 40600 (406) 、 40700 (407) 、 40800 (408) 、 50000 (500) 、 50100 (501) 、 50200 (502) 、 60100 (601) 、 60200 (602) 、 70100 (701) 、 80100 (801) 、 80105、 90100 (901) 、 90200 (902) 、 21310(131)、 31330(133)、 31340(134)、 61400(140)、 41480(148)、 31590(159)、 50300 (Conductive black) 、 01200 (2000) 、 01300 (4000)

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Sample photo :



SGS authenticate the photo on original report only

*** End of Report ***

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