

## Test Report

No. CANEC1603619712

Date: 18 Mar 2016

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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 clients as : INK

SGS Job No. : CP16-011009 - GZ

Client Ref. Info. : SEE REMARK

Date of Sample Received : 11 Mar 2016

Testing Period : 11 Mar 2016 - 17 Mar 2016

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

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

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

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

*violet*

Violet,Shi  
Approved Signatory



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Test Results :

## Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN16-036197.006	Grey liquid

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

## Azo Dyes

Test Method : According to EN 14362-1:2012 Annex F - Analysis was conducted with GC-MS/HPLC-DAD.  
Determination of 4-aminoazobenzene (CAS No.:60-09-3) – LFGB § EN 14362-3:2012; with the use of Gas Chromatography – Mass Spectrometry (GC-MS/HPLC-DAD)

Test Item(s)	CAS NO.	Unit	MDL	006
4-Aminobiphenyl	92-67-1	mg/kg	10	ND
Benzidine	92-87-5	mg/kg	10	ND
4-chloro-o-toluidine	95-69-2	mg/kg	10	ND
2-naphthylamine	91-59-8	mg/kg	10	ND
o-aminoazotoluene	97-56-3	mg/kg	10	ND
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	mg/kg	10	ND
4-chloroaniline	106-47-8	mg/kg	10	ND



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Guangzhou Branch Testing Chemical Laboratory

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<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>006</u>
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	10	ND
4,4'-diaminodiphenylmethane	101-77-9	mg/kg	10	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	10	ND
3,3'-dimethoxybenzidine	119-90-4	mg/kg	10	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	10	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	10	ND
p-cresidine	120-71-8	mg/kg	10	ND
4,4'-methylene-bis- (2-chloroaniline)	101-14-4	mg/kg	10	ND
4,4'-oxydianiline	101-80-4	mg/kg	10	ND
4,4'-thiodianiline	139-65-1	mg/kg	10	ND
o-toluidine	95-53-4	mg/kg	10	ND
4-methyl-m-phenylenediamine / 2,4-Toluyldiamine	95-80-7	mg/kg	10	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	10	ND
4-aminoazobenzene	60-09-3	mg/kg	10	ND



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<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>006</u>
O-Anisidine	90-04-0	mg/kg	10	ND
2,4-Xylidine	95-68-1	mg/kg	10	ND
2,6-Xylidine	87-62-7	mg/kg	10	ND

### Notes :

- (1) The BS EN 14362-1:2012 methods will enable further cleavage of 4 aminoazobenzene to non forbidden amines: aniline and 1,4 phenylenediamine, therefore, the test method of EN14362-3:2012; was employed to verify the presence of 4 aminoazobenzene.
- (2) Whenever 4-aminodiphenyl (CAS No. 92-67-1), 2-naphylamine (CAS No. 91-59-8) and 4-methoxy-m-phenylene-diamine (CAS No. 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used. In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS No. 101-77-9) and 2,4-toluylen-diamine (TDA, CAS No. 95-80-7) are released from the PU component and not from a banned azo colorant. In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS No.101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

Remark 1: The result(s) shown is/are of the total weight of wet sample.

Remark 2: Results & photo(s) of this report refer to test report CANEC1603619711.



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### REMARK:

A001(AC/ACNP), A002(ACN), A003, A004(AD), A005(APA/APANP), A006(APAC), A007, A101(APE), A350(PU), A351(APU), A410(PET), A500(PS), A501, A505(PS), A506(PSF), A521(PSNP), A522(PSD), A523(PSA), A525(UV), A555, A580, A582, A599(UV), A616(TPR), A617(TAR), A618(TCR), A619(THR), A620(TPRA), A810(SAC), A811(SAD), A812(SANC), C001(SLF), C002(SCA), C003(SCC), C004, C125, C266, C350(TPU), C355(PU), C430, C435, C438, C505(PS), C560, C800, F111(FA), G001(VD), G002(VDN), G003(PV/PVA), G004(PVAN), G005(VHC/VCK), G006(VGA/VCC), G007, G008(VT), G009(VP/VPA), G010(VPVN), G011(WVD), G012, G014(UV), G016(VDP), G017(VDP), G018(G01), G019(VDH), G020(TOTM), G021(LFL), G022(ACV), G023(VDL), G024(CTV), G025(VC), G120, G121, G122(DPE), G123[(ZPEVA), DPE(F)], G124(HPE), G125, G126(HH), G127, G128, G129, G130(MPE), G131, G132(PPB), G133, G150(WPE), G270, G272, G275(OPP), G276, G330(KA), G350(VPU), G358, G430(PETN), G431(PET), G432(PB), G433(VRD), G435(WVHC), G436, G437, G439, G449, G505, G510(MMA), G520(VK), G521(PUF), G542(#42), G600(#28), G650(#52), G707(T), G708(PT), G709(PL), G810(VL), G904(#29), G905(#35), S001(SB), S002(SBC), S003(SBD), S004(SBN), S006(SS), S007(SSN), S008(SA), S009(SL), S010(PA/SPA), S011, S015(WSB), S018(WCS), S019(BL), S020, S266(SPP), S350(SPL), S351(SPLA), S352(SPLC), S353(SPLE), S354(SPY), S355(PU), S357, S358, S440(SRD), S444(SPET), S505, S560(PSC), S580, S650(RP), S651(EVA), S652(SEVA), S653(PLGS), S800(NC), S816, S818, S886(SGT), S888(SG), S901(#5), S902(#7), S903(#45)-Color 01100(110), 10200(102), 10400(104), 20000(200), 20010, 20300(203), 20380, 20600(206), 20610, 20700(207), 20900(209), 21000(210), 22000, 22240, 23000, 30000(300), 30100(301), 30200(302), 30300(303), 30380(3038), 30400(304), 30600(306), 30700(307), 30730(3073), 30740(3074), 30800(308), 30910, 30970, 30980, 31400(314), 31500(315), 40100(401), 40200(402), 40300(403), 40310, 40400(404), 40600(406), 40700(407), 40800(408), 449, 50000(500), 50100(501), 50200(502), 50300(Conductive black), 60100(601), 60200(602), 70100(701), 70200, 80100(801), 80105, 90100(901), 90200(902), 21310(131), 31330(133), 31340(134), 31580(158), 31590(159), 41480(148), 61400(140), 01200(2000), 01300(4000)



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