

TEST REPORT

NUMBER: SHAH0019630705

APPLICANT: HANGZHOU SUNSHINE CHEMICALS CO.,
LTD.
PENG GONG, YUHANG DISTRICT,
HANGZHOU, ZHEJIANG, CHINA
ATTN: XU XIAO HONG

DATE: JUN 07, 2010

SAMPLE DESCRIPTION:

TWO(2) SUBMITTED SAMPLES SAID TO BE :

DYESTUFF

(1A) BLACK POWDER (NEUTRAL GREY 2BL) .

FABRIC IN

(1B) NAVY (DYED WITH NEUTRAL GREY 2BL) .

TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

TO BE CONTINUED

PREPARED AND CHECKED BY:
FOR INTERTEK TESTING SERVICES
LTD., SHANGHAI



MYRA LV
CHEMICAL DIVISION MANAGER

AUTHORIZED BY:
FOR INTERTEK TESTING SERVICES
LTD., SHANGHAI



STEPHEN TSANG
GENERAL MANAGER



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TESTS CONDUCTED

1 FORMALDEHYDE CONTENT

WITH WATER EXTRACTION. BY HIGH PERFORMANCE LIQUID
CHROMATOGRAPHIC (HPLC) ANALYSIS.

<u>TESTED SAMPLE</u>	<u>RESULT (ppm)</u>
(1A)	40

REMARK: ppm = PARTS PER MILLION = mg/kg

< = LESS THAN

DETECTION LIMIT = 5.0 ppm

TO BE CONTINUED

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TESTS CONDUCTED

2 DETECTION OF AMINES IN DYESTUFF (AZO)

WITH REFERENCE TO AZOCOLOURANTS CONTENT REQUIREMENT IN ANNEX XVII
 ITEM 43 OF THE REACH REGULATION (EC) NO. 1907/2006 & AMENDMENT
 NO. 552/2009 (FORMERLY KNOWN AS DIRECTIVE 2002/61/EC), DETECTED BY
 GAS CHROMATOGRAPHIC-MASS SPECTROMETRIC (GC-MS) AND HIGH PERFORMANCE
 LIQUID CHROMATOGRAPHIC (HPLC-DAD) ANALYSIS.

	<u>FORBIDDEN AMINE</u>	<u>CAS NO.</u>	<u>RESULT</u> (1A)
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'-DICHLOBENZIDINE	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.	O-ANISIDINE	90-04-0	N
22.	4-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

DETECTION LIMIT = 10 ppm

ppm = PARTS PER MILLION = mg/kg

TO BE CONTINUED

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TESTS CONDUCTED

3 EXTRACTABLE HEAVY METALS

WITH REFERENCE TO (ISO 105-E04), BY INDUCTIVELY COUPLED ARGON PLASMA (ICP) AND UV-VISIBLE SPECTROPHOTOMETRY ANALYSIS.

<u>ELEMENT</u>	<u>RESULT (ppm)</u>
	(1B)
SOL. ANTIMONY (Sb)	<1.0
SOL. ARSENIC (As)	<0.1
SOL. LEAD (Pb)	<0.1
SOL. CADMIUM (Cd)	<0.03
SOL. MERCURY (Hg)	<0.01
SOL. COPPER (Cu)	<1.0
SOL. CHROMIUM (Cr-TOTAL)	<0.5
SOL. CHROMIUM VI (CrVI)	ND (<0.5)
SOL. COBALT (Co)	<0.3
SOL. NICKEL (Ni)	<0.3

REMARK : SOL. = SOLUBLE

< = LESS THAN

ND = NOT DETECTED

ppm = PARTS PER MILLION = mg/kg

DETECTION LIMIT FOR Cr(VI) = 0.5 ppm

DATE SAMPLE RECEIVED : MAY 21, 2010

TESTING PERIOD : MAY 21, 2010 TO MAY 27, 2010

END OF REPORT