



TEST REPORT

NUMBER : NP-2136  
DATE : 24<sup>TH</sup> AUGUST, 2006APPLICANT : ZYDEX INDUSTRIES  
25-A, GANDHI OIL MILL COMPOUND,  
GORWA,  
VADODARA – 390 016.  
INDIA.

ATTN : MR. VISHWAS MAKWANA

SAMPLE DESCRIPTION : THREE (3) PIECES OF SUBMITTED SAMPLES SAID TO BE FABRIC SWATCH  
IN WHITE WITH BROWN PRINT, MARKED AS : SET 2  
K2 FLSC SERIES (9 COLORS), K4 YELLOW & K4 MAGENTA.DATE RECEIVED : 8<sup>TH</sup> AUGUST, 2006 (15:00 HRS)BUYER'S NAME : --  
ORDER NO. : --  
STYLE NO. : --  
ARTICLE NO. : --  
END USES : --  
DEPARTMENT : --  
SUPPLIER NAME : --  
MANUFACTURER'S NAME : --

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TESTS CONDUCTED : AS PER THE REQUEST OF THE APPLICANT . FOR FURTHER DETAILS  
PLEASE REFER TO THE ENCLOSED PAGE (S).

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REMARK : ADDITIONAL REPORT FOR HEAVY METALS TEST WILL FOLLOW LATER.

CONCLUSION : (AZO)

<u>TESTED SAMPLE</u>	<u>STANDARD</u>	<u>RESULT</u>
SUBMITTED SAMPLES	EUROPEAN COUNCIL DIRECTIVE 2002/61/EC RELATING TO RESTRICTIONS ON THE MARKETING AND USE OF CERTAIN DANGEROUS SUBSTANCES AND PREPARATIONS (AZO COLORANTS)	PASS

PREPARED & CHECKED BY :  
for INTERTEK TESTING SERVICES, INDIAANAND SATHE  
MANAGER-TFH LAB THESE TESTS ARE UNDER THE SCOPE OF OUR NABL ACCREDITATION.

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**Intertek Testing Services India Private Ltd.**Godrej Industries Complex, Pirojshahnar, Eastern Express Highway, Vikhroli(East), Mumbai – 400 079. India  
Tel : 91-22-67976900 Fax : 91-22-25188784



TEST CONDUCTED :

**1. DETECTION OF AMINES IN DYESTUFF : □**

AS PER EUROPEAN TEST PROCEDURE FOR DETECTION OF THE USE OF CERTAIN AZO COLORANTS BY USING GAS CHROMATOGRAPHIC-MASS SPECTROMETRIC (GC-MS) AND THIN LAYER CHROMATOGRAPHIC (TLC) ANALYSIS.

TEST METHOD : TEXTILE METHOD : (EN 14362 – 1)

<u>AMINES</u>	<u>CAS – NO.</u>	<u>RESULTS</u>
4-AMINOBIHENYL	92-67-1	N
BENZIDINE	92-87-5	N
4-CHLORO-O-TOLUIDINE	95-69-2	N
2-NAPHTHYLAMINE	91-59-8	N
0-AMINOAZOTOLUENE	97-56-3	N
5-NITRO-O-TOLUIDINE	99-55-8	N
P-CHLOROANILINE	106-47-8	N
2,4-DIAMINOANISOLE	615-05-4	N
4,4'-DIAMINODIPHENYLMETHANE	101-77-9	N
3,3'-DICHLOROBENZIDINE	91-94-1	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N
4,4'-METHYLENEDI-O-TOLUIDINE	838-88-0	N
P-KRESIDIN	120-71-8	N
4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	101-14-4	N
4,4'-OXYDIANILINE	101-80-4	N
4,4'-THIODIANILINE	139-65-1	N
0-TOLUIDINE	95-53-4	N
2,4-TOLUYENDIAMINE	95-80-7	N
2,4,5-TRIMETHYLANILINE	137-17-7	N
2-METHOXYANILINE	90-04-0	N
P-AMINOAZOBENZENE	60-09-3	N

SUMMARY : PRESENCE OF CARCINOGENIC AMINES N

REMARK : N = NOT DETECTED (LESS THAN 5 PARTS PER MILLION)  
 Y = DETECTED  
 REQUIREMENT = 30 PARTS PER MILLION  
 DETECTION LIMIT = 5 PARTS PER MILLION  
 ppm = PARTS PER MILLION

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TEST CONDUCTED :

**2. PENTA-CHLOROPHENOL (PCP) CONTENT : □**

WITH REFERENCE TO 35 LMBG B82.02-8.

<u>TEST COMPONENTS</u>	<u>RESULT IN ppm</u>
SUBMITTED SAMPLES	NOT DETECTED

REMARK : ppm = PARTS PER MILLION = mg/kg  
DETECTION LIMIT = 0.5 ppm

TEST CONDUCTED :

**3. FORMALDEHYDE CONTENT : □**

WITH REFERENCE TO BS EN ISO 14184 - 1

<u>TEST COMPONENT</u>	<u>RESULT IN ppm</u>
SUBMITTED SAMPLES	98.0

REMARK : ppm = PARTS PER MILLION = mg/kg

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TEST CONDUCTED :

**4. PVC CONTENT :**  
(BY FTIR)

RESULT : PVC NOT DETECTED.

TEST CONDUCTED :

**5. PHTHALATE CONTENT TEST :**WITH REFERENCE TO EN14372, BY GAS CHROMATOGRAPHIC-MASS SPECTROMETRIC  
(GC-MS) ANALYSIS.

	<u>RESULT (mg/kg)</u>
DIBUTYL PHTHALATE (DBP)	< 100
DIETHYL HEXYL PHTHALATE (DEHP)	< 100
BENZYL BUTYL PHTHALATE (BBP)	< 100
DI-ISOBUTYL PHTHALATE (DIBP)	< 100
DIMETHYL PHTHALATE (DMP)	< 100
DI-(ISO-NONYL) PHTHALATE (DINP)	< 100
DI-(N-OCTYL) PHTHALATE (DNOP)	< 100
DI-(ISO-DECYL) PHTHALATE (DIDP)	< 100
TOTAL :	< 100
APPLICANT'S REQUIREMENT (TOTAL) :	500 mg/kg (Max.)

REMARK : &lt; = LESS THAN

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TEST CONDUCTED :

**6. ORGANOTIN COMPOUND :**i) DI-BUTYL TIN (DBT) CONTENT :

BY GAS CHROMATOGRAPHIC MASS - SPECTROMETRIC (GC-MS) ANALYSIS.

<u>TESTED SAMPLE</u>	<u>RESULT (mg/kg)</u>	<u>APPLICANT'S REQUIREMENT (mg/kg)</u>
SUBMITTED SAMPLES	< 0.05	1 (Max.)

REMARK : DETECTION LIMIT = 0.05 mg/kg  
< = LESS THANii) TRI-BUTYL TIN (TBT) CONTENT :

BY GAS CHROMATOGRAPHIC MASS - SPECTROMETRIC (GC-MS) ANALYSIS.

<u>TESTED SAMPLE</u>	<u>RESULT (mg/kg)</u>	<u>APPLICANT'S REQUIREMENT</u>
SUBMITTED SAMPLES	ND	NOT DETECTED

REMARK : ND = NOT DETECTED  
DETECTION LIMIT = 0.05 mg/kgiii) TRIPHENYL TIN (TPHT) CONTENT :

BY GAS CHROMATOGRAPHIC MASS - SPECTROMETRIC (GC-MS) ANALYSIS.

<u>TESTED SAMPLE</u>	<u>RESULT (mg/kg)</u>	<u>APPLICANT'S REQUIREMENT</u>
SUBMITTED SAMPLES	ND	NOT DETECTED

REMARK : ND = NOT DETECTED  
DETECTION LIMIT = 0.05 mg/kg

# END OF TEST REPORT #

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