



TEST REPORT

NUMBER : NP-2135

DATE : 24TH AUGUST, 2006

APPLICANT : ZYDEX INDUSTRIES
25-A, GANDHI OIL MILL COMPOUND,
GORWA,
VADODARA – 390 016.
INDIA.

ATTN : MR. VISHWAS MAKWANA

SAMPLE DESCRIPTION : FOUR (4) PIECES OF SUBMITTED SAMPLES SAID TO BE FABRIC SWATCH
IN WHITE WITH DARK GREY PRINT, MARKED AS : SET 1
K2(62-120T), K2 OPAQUE(48-62T), K2W (62-120T), K2000(T.G), K2 WHITE (T.G), K4 CYAN,
K4 BLACK, K2 GLITTER, K2 GLITTER (T.G), K2 FOIL/TRANSFER ADHESIVE, K2 OPAQUE WHITE, K2
CLEAR, K2 OPAQUE CLEAR & K2W CLEAR.

DATE RECEIVED : 8TH AUGUST, 2006 (15:00 HRS)

BUYER'S NAME : --
ORDER NO. : --
STYLE NO. : --
ARTICLE NO. : --
END USES : --
DEPARTMENT : --
SUPPLIER NAME : --
MANUFACTURER'S NAME : --

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

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, INDIA

ANAND SATHE
MANAGER-TFH LAB

 THESE TESTS ARE UNDER THE SCOPE OF OUR NABL ACCREDITATION.

Page 1 of 5 RC

Intertek Testing Services India Private Ltd.

Godrej Industries Complex, Pirojshahnagar, 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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Page 2 of 5 RC

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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	NOT DETECTED

REMARK : ppm = PARTS PER MILLION = mg/kg
DETECTION LIMIT = Below 20 ppm

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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 : < = LESS THAN

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Page 4 of 5 RC

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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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Page 5 of 5 RC

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