

**TEST REPORT**

NUMBER: SHAH0022416019

APPLICANT: HAINING DEER CHEMICALS CO., LTD.  
HAINING FARMING FOREIGN SYNTHETIC SIZE  
DEVELOPMENT, ZHEJIANG, CHINA.  
ATTN: YAO YU YAN

DATE: OCT 26, 2010

SAMPLE DESCRIPTION:

TWO (2) SUBMITTED SAMPLES SAID TO BE :  
DYESTUFF

(1A) DARK RED POWDER (ACID RED 447 200%).

FABRIC IN

(1B) SCARLET (DYED WITH ACID RED 447 200%, O.W.F.: 5%).

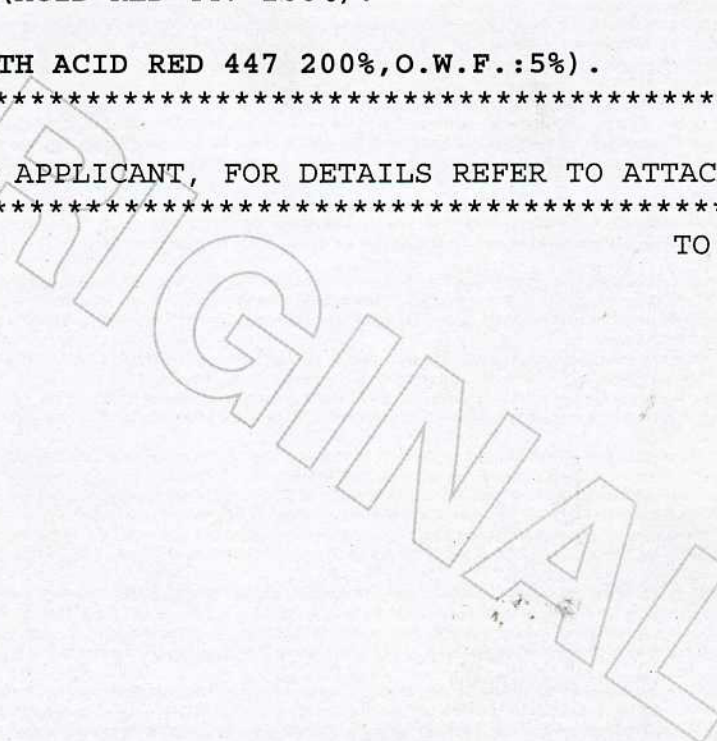
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TESTS CONDUCTED:

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

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TO BE CONTINUED



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

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
LTD., SHANGHAI

MYRA LV  
CHEMICAL LAB SENIOR MANAGER

STEPHEN TSANG  
GENERAL MANAGER



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TESTS CONDUCTED

1 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 CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS) AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC-DAD) ANALYSIS.

<u>FORBIDDEN AMINE</u>	<u>CAS NO.</u>	<u>RESULT</u> (1A)
1. 4-AMINODIPHENYL	92-67-1	ND
2. BENZIDINE	92-87-5	ND
3. 4-CHLORO-O-TOLUIDINE	95-69-2	ND
4. 2-NAPHTHYLAMINE	91-59-8	ND
5. O-AMINOAZOTOLUENE	97-56-3	ND
6. 2-AMINO-4-NITROTOLUENE	99-55-8	ND
7. P-CHLOROANILINE	106-47-8	ND
8. 2,4-DIAMINOANISOLE	615-05-4	ND
9. 4,4'-DIAMINODIPHENYLMETHANE	101-77-9	12 ppm
10. 3,3'-DICHLOOROBENZIDINE	91-94-1	ND
11. 3,3'-DIMETHOXYBENZIDINE	119-90-4	ND
12. 3,3'-DIMETHYLBENZIDINE	119-93-7	ND
13. 3,3'-DIMETHYL- 4,4'DIAMINODIPHENYLMETHANE	838-88-0	ND
14. P-CRESIDINE	120-71-8	ND
15. 4,4'-METHYLENE-BIS(2-CHLOROANILINE)	101-14-4	ND
16. 4,4'-OXYDIANILINE	101-80-4	ND
17. 4,4'-THIODIANILINE	139-65-1	ND
18. O-TOLUIDINE	95-53-4	ND
19. 2,4-TOLUYLENEDIAMINE	95-80-7	ND
20. 2,4,5-TRIMETHYLANILINE	137-17-7	ND
21. O-ANISIDINE	90-04-0	ND
22. 4-AMINOAZOBENZENE	60-09-3	ND
23. 2,4-XYLIDINE	95-68-1	ND
24. 2,6-XYLIDINE	87-62-7	ND

REMARK: ND = NOT DETECTED  
 DETECTION LIMIT = 10 ppm  
 ppm = PARTS PER MILLION = mg/kg

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TO BE CONTINUED



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2 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 : OCT.15, 2010  
TESTING PERIOD : OCT.15, 2010 TO OCT.21, 2010

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END OF REPORT