

Test Report

Number: SHAH0090661110

Applicant: HANGZHOU TIANYA INDUSTRY CO., LTD
RM 1004, B1, IBC OF EASTERN HANGZHOU,
NO.600 JINSHA RD, HANGZHOU E&T DEVELOPMENT
ZONE, 310018, ZHEJIANG, CHINA
Attn: ZENG PINGJIA

Date: 16 Jan, 2018

Sample Description:

Two (2) of Submitted Samples Said to Be:

(1) Blue Powder (ACID BLUE 281);

(2) Blue Fabric (Printed With ACID BLUE 281, O.W.F.: 2%).

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

To be continued

Authorized By:



Jasmine Zhang
Deputy General Manager
For Green Initiatives Intertek China



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Tests Conducted

1 Detection Of Amines Derived From Azocolourants and Azodyes

By Gas Chromatographic - Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.

Test Method: EN 14362-1: 2012
EN 14362-3: 2012 for p-Aminoazobenzene

	Forbidden	Cas No.	Result
			(1)
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	ND
10.	3,3'-Dichlorobenzidine	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.	p-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

To be continued



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2 Extractable Heavy Metals

With reference to DIN 54233-3, by Inductively Coupled Argon Plasma Mass (ICP-MS) and UV-Visible Spectrophotometry analysis.

<u>Element</u>	<u>Result (ppm)</u>	<u>Detection Limit(ppm)</u>
	(2)	
Sol. Antimony (Sb)	ND	1.0
Sol. Arsenic (As)	ND	0.1
Sol. Lead (Pb)	ND	0.1
Sol. Cadmium (Cd)	ND	0.03
Sol. Mercury (Hg)	ND	0.01
Sol. Copper (Cu)	ND	1.0
Sol. Chromium (Cr-Total)	ND	0.5
Sol. Chromium VI (Cr-VI)	ND	0.5
Sol. Cobalt (Co)	ND	0.3
Sol. Nickel (Ni)	ND	0.3

Remark: ppm = Parts per million = mg/kg
Sol. = Soluble
ND = Not Detected

Date Sample Received: 09 Jan, 2018
Testing Period: 09 Jan, 2018 To 15 Jan, 2018

End of report

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