



Test Report

Report No : TST202103Q2645EN

Date:Mar.24,2021

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Applicant : HUIZHOU VIREX TECHNOLOGY CO., LTD.

Address : HE YUZHOU'S FACTORY, NIUTANG AREA, OPPOSITE , WEIBAO STONE MARKET, SHA'AO VILLAGE, COMMITTEE, SANDONG TOWN, HUICHENG DISTRICT, HUIZHOU, GUANGDONG, CHINA

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name : Grow Tent

Main Model : 120*120*200CM

Additional Models : 60*60*160cm 80*80*160cm 80*80*180cm 100*100*200cm
150*150*200cm 240*120*200cm 200*200*200cm 300*150*200cm
300*300*200cm 40*40*120cm 60*60*120cm 120*60*150cm
240*240*200cm 600*300*200cm

Sample Received Date : Mar.22,2021

Testing Period : Mar.22,2021 To Mar.24,2021

Test Requested : Inspect AZO content in the selected parts as requested by client.

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Signed for and on behalf of



Andy Zheng
Technical Director

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Material Name

1	Black Plastic
2	White Iron Pipe
3	Green Cloth
4	Black Cloth
5	Rope

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AZO Colorants test

Test method and Test equipment (Azo):

Test Item	Test Method	Test Equipment
AZO	EN 14362-1: 2017	GC-MS

Test Result (Azo):

No.	Substances	CAS No.	Unit	MDL	Result	
					1	2
1	Biphenyl-4-ylamine/4-aminodiphenyl/xenylamine	92-67-1	ppm	5	N.D.	N.D.
2	Benzidine	92-87-5	ppm	5	N.D.	N.D.
3	4-chloro-o-toluidine	95-69-2	ppm	5	N.D.	N.D.
4	2-naphthylamine	91-59-8	ppm	5	N.D.	N.D.
5*	o-aminoazotoluene/4-amino-2',3-dimethylazobenzene/4-o-tolylazo-o-toluidine	97-56-3	ppm	5	N.D.	N.D.
6*	2-amino-4-nitrotoluene/5-nitro-o-toluidine	99-55-8	ppm	5	N.D.	N.D.
7	4-chloroaniline	106-47-8	ppm	5	N.D.	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	ppm	5	N.D.	N.D.
9	4,4'-methylenedianiline/	101-77-9	ppm	5	N.D.	N.D.
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	ppm	5	N.D.	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	ppm	5	N.D.	N.D.
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	119-93-7	ppm	5	N.D.	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	ppm	5	N.D.	N.D.

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No.	Substances	CAS No.	Unit	MDL	Result	
					1	2
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	ppm	5	N.D.	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/2,2'-dichloro	101-14-4	ppm	5	N.D.	N.D.
16	4,4'-oxydianiline	101-80-4	ppm	5	N.D.	N.D.
17	4,4'-thiodianiline	139-65-1	ppm	5	N.D.	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	ppm	5	N.D.	N.D.
19	4-methyl-m-phenylenediamine/2,4-toluyldiamin	95-80-7	ppm	5	N.D.	N.D.
20	2,4,5-trimethylaniline	137-17-7	ppm	5	N.D.	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	ppm	5	N.D.	N.D.
	4-aminoazobenzene	60-09-3	ppm	5	N.D.	N.D.
23	2,4-xylydine	95-68-1	ppm	5	N.D.	N.D.
24	2,6-xylydine	87-62-7	ppm	5	N.D.	N.D.

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No.	Substances	CAS No.	Unit	MDL	Result 3	Result 4
1	Biphenyl-4-ylamine/4-aminodiphenyl/xenylamine	92-67-1	ppm	5	N.D.	N.D.
2	Benzidine	92-87-5	ppm	5	N.D.	N.D.
3	4-chloro-o-toluidine	95-69-2	ppm	5	N.D.	N.D.
4	2-naphthylamine	91-59-8	ppm	5	N.D.	N.D.
5*	o-aminoazotoluene/4-amino-2',3-dimethylazobenzene/4-o-tolylazo-o-toluidine	97-56-3	ppm	5	N.D.	N.D.
6*	2-amino-4-nitrotoluene/5-nitro-o-toluidine	99-55-8	ppm	5	N.D.	N.D.
7	4-chloroaniline	106-47-8	ppm	5	N.D.	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	ppm	5	N.D.	N.D.
9	4,4'-methylenedianiline/	101-77-9	ppm	5	N.D.	N.D.
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	ppm	5	N.D.	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	ppm	5	N.D.	N.D.
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	119-93-7	ppm	5	N.D.	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	ppm	5	N.D.	N.D.

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No.	Substances	CAS No.	Unit	MDL	Result 3	Result 4
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	ppm	5	N.D.	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/2,2'-dichloro	101-14-4	ppm	5	N.D.	N.D.
16	4,4'-oxydianiline	101-80-4	ppm	5	N.D.	N.D.
17	4,4'-thiodianiline	139-65-1	ppm	5	N.D.	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	ppm	5	N.D.	N.D.
19	4-methyl-m-phenylenediamine/2,4-toluyldiamin	95-80-7	ppm	5	N.D.	N.D.
20	2,4,5-trimethylaniline	137-17-7	ppm	5	N.D.	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	ppm	5	N.D.	N.D.
	4-aminoazobenzene	60-09-3	ppm	5	N.D.	N.D.
23	2,4-xylydine	95-68-1	ppm	5	N.D.	N.D.
24	2,6-xylydine	87-62-7	ppm	5	N.D.	N.D.

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No.	Substances	CAS No.	Unit	MDL	Result 5
1	Biphenyl-4-ylamine/4-aminodiphenyl/xenylamine	92-67-1	ppm	5	N.D.
2	Benzidine	92-87-5	ppm	5	N.D.
3	4-chloro-o-toluidine	95-69-2	ppm	5	N.D.
4	2-naphthylamine	91-59-8	ppm	5	N.D.
5*	o-aminoazotoluene/4-amino-2',3-dimethylazobenzene/4-o-tolylazo-o-toluidine	97-56-3	ppm	5	N.D.
6*	2-amino-4-nitrotoluene/5-nitro-o-toluidine	99-55-8	ppm	5	N.D.
7	4-chloroaniline	106-47-8	ppm	5	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	ppm	5	N.D.
9	4,4'-methylenedianiline/	101-77-9	ppm	5	N.D.
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	ppm	5	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	ppm	5	N.D.
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	119-93-7	ppm	5	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	ppm	5	N.D.

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No.	Substances	CAS No.	Unit	MDL	Result 5
14	6-methoxy-m-toludine/p-cresidine	120-71-8	ppm	5	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/2,2'-dichloro-4,	101-14-4	ppm	5	N.D.
16	4,4'-oxydianiline	101-80-4	ppm	5	N.D.
17	4,4'-thiodianiline	139-65-1	ppm	5	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	ppm	5	N.D.
19	4-methyl-m-phenylenediamine/2,4-toluylendiamine	95-80-7	ppm	5	N.D.
20	2,4,5-trimethylaniline	137-17-7	ppm	5	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	ppm	5	N.D.
22**	4-aminoazobenzene	60-09-3	ppm	5	N.D.
23	2,4-xylidine	95-68-1	ppm	5	N.D.
24	2,6-xylidine	87-62-7	ppm	5	N.D.

Note:

1. mg/kg= ppm
2. N.D.=No Detection(<MDL)
3. MDL =Method Detection Limit
4. ""**"=The CAS No. 97-56-3(No.5) and 99-55-8 (No.6) are further reduced to CAS No. 95-53-4(No.18) and 95-80-7(No.19);
5. ""**"=Azo colorants that are able to form 4-aminoazobenzene (No.22), generate under the condition of this method aniline and 1,4-phenylenediamine, therefore, the method of §64 LFGB, BVL, B 82.02.9 was employed to verify the 4-aminoazobenzene.

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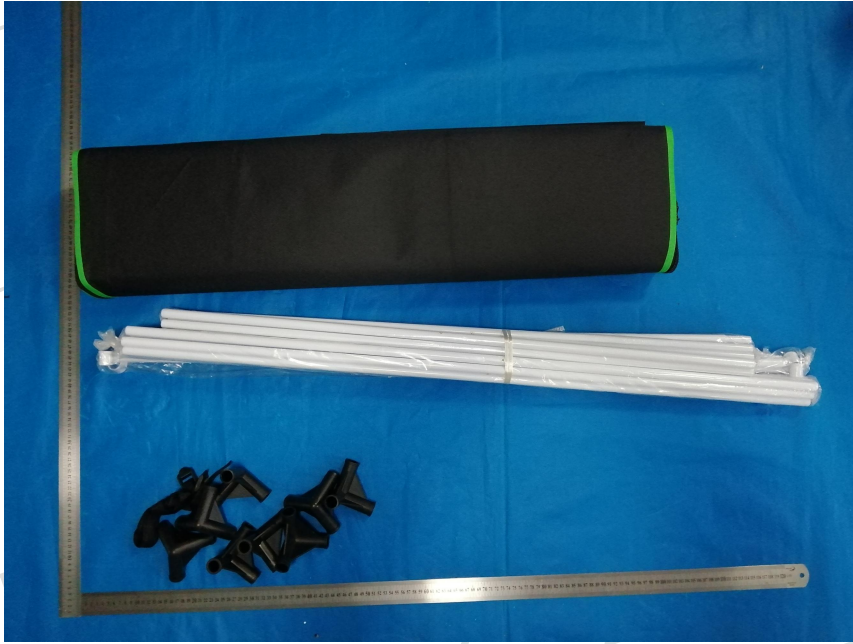
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Sample photo:



*** End of Report ***

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