顺通检测
STANDARD TESTING LABORATORY

Test Report

Report No.: STL2024101007E **Report Date: 2024-10-21** **Page: 1 of 15**

Applicant	:	Guangzhou Kingsons bags technology Co.,Ltd
Address	:	The No.6 of Yang guang Road, Shiling Town, Huadu District, Guangzhou, China

The following merchandise was submitted and identified by client as:

Sample Name	:	Laptop bag / Backpack
Order No.	:	24003362
Style No.	:	KH.K10107W3W/ KH.K10107W3B/KH.K10096WBW/ KH.K10096WBB/KH.K10211WFW/ KH.K10211WFB/KH.K9591WG/ KH.KD794/ KH.KD792/KH.K9616W/KH.K9590WG/KH.K9604W/ KH.K9602W/ KH.K9605W/KH.K9589WG/ KH.K9607W/ KH.K9606W/ KH.K9608W/KH.K10011W/KH.K9964W/KH.K9962W/KH.KD776
Manufacturer	:	Guangzhou Kingsons bags technology Co.,Ltd
Buyer's Name	:	JARIR BOOKSTORE
Number of Sample	:	3PCS
Received Date	:	2024-10-10 & 2024-10-17
Tested Date:	:	2024-10-10 To 2024-10-18
Test Request	:	1. pH Value 2. Formaldehyde 3. Extractable heavy metal 4. Chlorinated phenols (PCP/TeCP/TriCP) 5. Ortho-phenylphenol (OPP) 6. Phthalates (6P) 7. Organotin Compounds Content 8. Banned Azo Dyes 9. Allergenic & Carcinogenic Dyes 10. Flame Retardants 11. Colour fastness to Water 12. Colour Fastness To Perspiration 13. Colour Fastness To Rubbing 14. Colour fastness to Saliva
Test Method	:	Please reference to next page(s).
Test Result(s)	:	Please reference to next page(s).

Approved: Raymond

Technical Director

Guangzhou STL Testing Technology Co., Ltd. 广州市顺通检测科技有限公司 STL 检测报告专用章 Special chapter for testing report

Test Report

Test Result(s)

1. Formaldehyde:

Test Method: With reference to ISO 14184-1:2011 , analyzed by UV-VIS.

Test Item(s)	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
			2
Formaldehyde	16	75	N.D
Conclusion			Pass

Remark: 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D =Not Detected (<RL)

2. pH value:

Test Method: With reference to ISO 3071:2020 , analyzed by pH-meter.

Test Item	Client's limit	Test result
		2*
pH value	4.0-7.5	7.0
Conclusion		Pass

Remark: 1) The sample was received on October 17, 2024.

Test Report

3. Extractable heavy metal:

Test Method: With reference to EN 16711-2:2016, analyzed by ICP-OES.

Test Item(s)		RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
				2
Soluble Antimony	(Sb)	5	30	N.D
Soluble Arsenic	(As)	0.5	1	N.D
Soluble Lead	(Pb)	0.5	1.04	N.D
Soluble Cadmium	(Cd)	0.05	0.14	N.D
Soluble Chromium	(Cr)	1	2	N.D
Hexavalent Chromium	(Cr VI)	0.5	0.5	N.D
Soluble Cobalt	(Co)	1	4	N.D
Soluble Copper	(Cu)	10	50.04	N.D
Soluble Nickel	(Ni)	1	4	N.D
Soluble Mercury	(Hg)	0.01	0.02	N.D
Conclusion				Pass

Remark: 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D = Not Detected (< RL)

Test Report

4. Chlorinated Phenols Content:

Test Method: With reference to EN ISO 17070:2015 , analyzed by GC-MS.

Test Item(s)	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
			2
Pentadhlorophenols (PCP)	0.2	0.5	N.D
2,3,5,6-Tetrachlorophenol (2,3,5,6-TeCP)	0.2	0.5	N.D
Conclusion			Pass

Remark: 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D = Not Detected (< RL)

5. Ortho-phenylphenol (OPP):

Test Method: With reference to EN ISO 17070:2015, analyzed by GC-MS.

Test Item(s)	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
			2
Ortho-phenylphenol (OPP)	0.5	1	N.D
Conclusion			Pass

Remark: 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D = Not Detected (< RL)

Test Report

6. Phthalates (6P):

Test Method: With reference to CPSC-CH-C1001-09.4, analyzed by GC-MS.

Test Item(s)		CAS No.	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
					1+2+3
Dibutyl Phthalate	(DBP)	84-74-2	50	--	N.D
Benzylbutyl Phthalate	(BBP)	85-68-7	50	--	N.D
Bis(2-ethylhexyl) Phthalate	(DEHP)	117-81-7	50	--	N.D
Diisononyl Phthalate	(DINP)	28553-12-0 68515-48-0	50	--	N.D
Di-n-octyl Phthalate	(DNOP)	117-84-0	50	--	N.D
Diisodecyl Phthalate	(DIDP)	26761-40-0 68515-49-1	50	--	N.D
Sum of above 6 Phthalates		--	--	1000	N.D
Conclusion					Pass

Remark:

1) 0.1%=1000mg/kg
2) RL = Reporting Limit
3) N.D =Not Detected (<RL)
4) "+" = This data is obtained from composite testing on more than one materials, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

Test Report

7. Organotin Compounds Content：

Test Method： With reference to CEN ISO/TS 16179:2012 , analyzed by GC-MS.

Test Item(s)		RL （mg/kg）	Client's limit (mg/kg)	Test result (mg/kg)
				2
Dibutyltin compounds	(DBT)	0.5	1	N.D
Tributyltin	(TBT)	0.5	1	N.D
Conclusion				Pass

Remark： 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D =Not Detected (<RL)

Test Report

8. Banned Azo Dyes

Test Method: With reference to ISO 14362-1:2017, analyzed by GC-MS.

No.	Test Item(s)	CAS No.	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
					2
1	Biphenyl-4-ylamine/4-aminodiphenyl/ xenylamine	92-67-1	5	20	N.D
2	Benzidine	92-87-5	5	20	N.D
3	4-chloro-o-toluidine	95-69-2	5	20	N.D
4	2-naphthylamine	91-59-8	5	20	N.D
5	o-aminoazotoluene/4-amino-2',3-dimethy lazobenzene/4-o-tolylazo-o-toluidine△	97-56-3	5	20	N.D
6	2-amino-4-nitrotoluene/ 5-nitro-o-toluidine△	99-55-8	5	20	N.D
7	4-chloroaniline	106-47-8	5	20	N.D
8	4-methoxy-m-phenylenediamine	615-05-4	5	20	N.D
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	5	20	N.D
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	5	20	N.D
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	5	20	N.D
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	119-93-7	5	20	N.D
13	4,4'-methylenedi-o-toluidine	838-88-0	5	20	N.D
14	6-methoxy-m-toludine/p-cresidine	120-71-8	5	20	N.D
15	4,4'-methylene-bis-(2-chloroaniline)/ 2,2'-dichloro-4,4-methylene-dianiline	101-14-4	5	20	N.D
16	4,4'-oxydianiline	101-80-4	5	20	N.D
17	4,4'-thiodianline	139-65-1	5	20	N.D

Test Report

No.	Test Item(s)	CAS No.	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
					2
18	o-toluidine/2-aminotoluene	95-53-4	5	20	N.D
19	4-methyl-m-phenylenediamine/ 2,4-toluylendiamine	95-80-7	5	20	N.D
20	2,4,5-trimethylaniline	137-17-7	5	20	N.D
21	o-anisidine/2-methoxyaniline	90-04-0	5	20	N.D
22	4-aminoazobenzene◇	60-09-3	5	20	N.D
23	2,4-xylidine	95-68-1	5	20	N.D
24	2,6-xylidine	87-62-7	5	20	N.D
Conclusion					Pass

Remark:

1) 0.1%=1000mg/kg
2) RL = Reporting Limit
3) N.D =Not Detected (<RL)
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, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenylendiamine (CAS No. 106-50-3).Due to detection limits, only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017

Test Report

9. Allergenic & Carcinogenic Dyes:

Test Method: With reference to DIN 54231:2022, analyzed by LC-MS/MS.

Substances Name	RL (mg/kg)	Client's Limit (mg/kg)	Result (mg/kg)
			2
Acid Red 26	15	15	N.D
Basic Red 9	15	15	N.D
Direct Black 38	15	15	N.D
Direct Blue 6	15	15	N.D
Direct Red 28	15	15	N.D
Disperse Blue 1	15	15	N.D
Disperse Yellow 3	15	15	N.D
Disperse Blue 1	15	60	N.D
Disperse Blue 3	15	60	N.D
Disperse Blue 7	15	60	N.D
Disperse Blue 26	15	60	N.D
Disperse Blue 35	15	60	N.D
Disperse Blue 102	15	60	N.D
Disperse Blue 106	15	60	N.D
Disperse Blue 124	15	60	N.D
Disperse Orange 1	15	60	N.D
Disperse Orange 3	15	60	N.D
Disperse Orange 37/59/76	15	60	N.D
Disperse Red 1	15	60	N.D
Disperse Red 11	15	60	N.D
Disperse Red 17	15	60	N.D

Test Report

Substances Name	RL (mg/kg)	Client's Limit (mg/kg)	Result (mg/kg)
			2
Disperse Yellow 1	15	60	N.D
Disperse Yellow 3	15	60	N.D
Disperse Yellow 9	15	60	N.D
Disperse Yellow 39	15	60	N.D
Disperse Yellow 49	15	60	N.D
Conclusion			Pass

Remark: 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D = Not Detected (< RL)

4) **= Disperse orange 76 and disperse orange 59 is a synonyme name for disperse orange 37.

10. Flame Retardants:

Test Method: With reference to ISO 17881-2: 2016 , analyzed by GC-MS.

Test Item(s)	RL (mg/kg)	Client's limit (mg/kg)	Test result (mg/kg)
			2
PBBs	5	N.D	N.D
TRIS	1	N.D	N.D
TEPA	1	N.D	N.D
Conclusion			Pass

Remark: 1) 0.1%=1000mg/kg

2) RL = Reporting Limit

3) N.D =Not Detected (<RL)

Test Report

11. Colour Fastness to Water:

Test Method: With reference to ISO 105-E01:2013 .

Test Item		**Client's Requirement (Min. Grade)**	**Test Result (Grade)**
			2*
Change in color		3	4-5
Staining on Multi-fiber Stripe	Acetate	3	4
	Cotton		4
	Nylon		4
	Polyester		4-5
	Acrylic		4-5
	Wool		4
Conclusion			Pass

Remark: Explanation of Colorfastness Results

Grade 5	Negligible or no change or staining
Grade 4	Slightly changed or stained
Grade 3	Noticeably changed or stained
Grade 2	Considerably changed or stained
Grade 1	Much changed or heavily stained

Remark: 1) The sample was received on October 17, 2024.

Test Report

12. Colour fastness to perspiration:

Test Method : With reference to ISO 105 E04:2013.

Test Item		Client's Requirement (Min.Grade)	Test Result (Grade)
			2*
Acidic: Change in color		3-4	4-5
Acidic Staining on Multi-fiber Stripe	Acetate	3-4	4
	Cotton		4
	Nylon		4
	Polyester		4-5
	Acrylic		4-5
	Wool		4
Alkaline: Change in color		3-4	4-5
Alkaline Staining on Multi-fiber Stripe	Acetate	3-4	3-4
	Cotton		4
	Nylon		4
	Polyester		4
	Acrylic		4
	Wool		4
Conclusion			Pass

Remark: Explanation of Colorfastness Results

Grade 5	Negligible or no change or staining
Grade 4	Slightly changed or stained
Grade 3	Noticeably changed or stained
Grade 2	Considerably changed or stained
Grade 1	Much changed or heavily stained

Remark: 1) The sample was received on October 17, 2024.

Test Report

13. Colour Fastness To Rubbing:

Test Method : With reference to ISO 105 X12:2016.

Test Item	Client's Requirement (Min. Grade)	Test Result (Grade)
		2*
Dry	4	4-5
Conclusion		Pass

Remark: Explanation of Colorfastness Results

Grade 5	Negligible or no change or staining
Grade 4	Slightly changed or stained
Grade 3	Noticeably changed or stained
Grade 2	Considerably changed or stained
Grade 1	Much changed or heavily stained

Remark: 1) The sample was received on October 17, 2024.

Test Report

14. Colour fastness to saliva:

Test Method : With reference to GB/T 18886-2019.

Test Item		**Client's Requirement (Min. Grade)**	**Test Result (Grade)**
			2
Change in color		/	4
Staining on Multi-fiber Stripe	Acetate	/	3-4
	Cotton		3-4
	Nylon		3
	Polyester		3-4
	Acrylic		4
	Wool		3-4

Remark: Explanation of Colorfastness Results

Grade 5	Negligible or no change or staining
Grade 4	Slightly changed or stained
Grade 3	Noticeably changed or stained
Grade 2	Considerably changed or stained
Grade 1	Much changed or heavily stained

Test Report

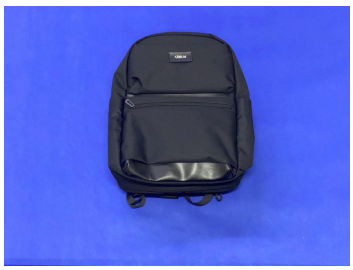
Report No.: STL2024101007E **Report Date: 2024-10-21** **Page: 15 of 15**

Test Material list:

No.	Sample Description	Location
1	White synthetic with white fabric	White Backpack-main fabric
2	Black fabric with glue	Laptop bag -main fabric
3	Black mesh	Black Backpack-mesh

Sample(s) Photo




/

---------- End of Report ----------