



Test Report

Report No.: LST20056094EN

Date: May. 16, 2020

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Applicant:

Address:

The following samples were submitted and identified by/on behalf of the client as:

Sample Name: MOUTH COVER

Style No.: 6647/6648

Sample Receiving Date: May. 13, 2020

Testing Period: May. 13, 2020 to May. 16, 2020

Test Results: Please Refer To The Following Page(s)

Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Tested materials of submitted samples	Annex XVII items 43 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 - Azo colorants and Azo dyes	PASS
2	Tested materials of submitted samples	Annex XVII items 22 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 - Pentachlorophenol (PCP)	PASS
3	Tested materials of submitted samples	Client's requirements on Formaldehyde content	PASS

Signed for and on behalf of LST

Rory / Technical Manager



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Sample Description

Material No.	Component Description	Location
01	Black fabric	Mouth cover
02	Yellow fabric	Mouth cover
03	Blue fabric	Mouth cover
04	Pink fabric	Mouth cover
05	White fabric	Mouth cover
06▲	Black fabric+ yellow fabric+ blue fabric	Mouth cover+ mouth cover+ mouth cover
07▲	Pink fabric+ white fabric	Mouth cover+ mouth cover

Photo of sample





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Test Result(s):

Annex XVII items 43 of the REACH - Azo colourants and Azo dyes

Method: With reference to BS EN ISO 14362-1:2017 and BS EN ISO 14362-3:2017

Analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS)

No.	Substances Name	CAS No.	Limit (mg/kg)	Result (mg/kg)	
				06▲	07▲
1	biphenyl-4-ylamine/ 4-aminodiphenyl/ xenylamine	92-67-1	30	N.D.	N.D.
2	benzidine	92-87-5	30	N.D.	N.D.
3	4-chloro-o-toluidine	95-69-2	30	N.D.	N.D.
4	2-naphthylamine	91-59-8	30	N.D.	N.D.
5△	o-aminoazotoluene/ 4-o-tolylazo-o-toluidine/ 4-amino-2', 3-dimethylazobenzene	97-56-3	30	N.D.	N.D.
6△	2-amino-4-nitrotoluene/ 5-nitro-o-toluidine	99-55-8	30	N.D.	N.D.
7	4-chloroaniline	106-47-8	30	N.D.	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	30	N.D.	N.D.
9	4,4'-methylenedianiline/ ,4'-diaminodiphenylmethane	101-77-9	30	N.D.	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	30	N.D.	N.D.
11	3,3'-dimethoxybenzidine/ o-dianisidine	119-90-4	30	N.D.	N.D.
12	3,3'-dimethylbenzidine/ 4,4'-bi-o-toluidine	119-93-7	30	N.D.	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	30	N.D.	N.D.
14	6-methoxy-m-toluidine/ p-cresidine	120-71-8	30	N.D.	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	30	N.D.	N.D.
16	4,4'-oxydianiline	101-80-4	30	N.D.	N.D.
17	4,4'-thiodianiline	139-65-1	30	N.D.	N.D.
18	o-toluidine/ 2-aminotoluene	95-53-4	30	N.D.	N.D.
19	4-methyl-m-phenylenediamine/ 2,4-toluylendiamine	95-80-7	30	N.D.	N.D.
20	2,4,5-trimethylaniline	137-17-7	30	N.D.	N.D.
21	o-anisidine / 2-methoxyaniline	90-04-0	30	N.D.	N.D.
22◇	4-aminoazobenzene	60-09-3	30	N.D.	N.D.
Conclusion				PASS	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).

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3. RL (Reporting Limit) = 5 mg/kg.
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 BS EN ISO 14362-3:2017 was employed to verify the 4-aminoazobenzene.
6. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

Annex XVII items 22 of the REACH - Pentachlorophenol (PCP)

Method: With reference to ISO 17070:2015, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
06▲	1000	N.D.	PASS
07▲	1000	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (<RL).
 3. RL (Reporting Limit) = 0.1 mg/kg.
 4. "▲"this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

Formaldehyde

Method: With reference to ISO 14184-1:2011, analyzed by Ultraviolet visible Spectrometry (UV-Vis).

Material No.	Client's limit (mg/kg)	Result (mg/kg)	Conclusion
01	N.D.	N.D.	PASS
02	N.D.	N.D.	PASS
03	N.D.	N.D.	PASS
04	N.D.	N.D.	PASS
05	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 16 mg/kg.

End of Report