



CTS

CENTRE OF TESTING SERVICE

TEST REPORT

No.: C3201119036-C-R1

DATE: Nov. 26, 2020

PAGE: 1 of 11

APPLICANT:

Yiwu MengYa Commodity Exchange Goods Firm
Duantou 2nd Distirct,6th Building,2nd House,3F,Yiwu,Zhejiang

DESCRIPTION OF SAMPLES:

Sample Name : Disposable plane protective mask
Model No. : 00500/00501/00502/00503/00504/00506/00508/00509/00510
/00511/00512/00513/00514/00515/00516/00517/00518/00519
/00520/00521/00522/00523/00524/00525/00526/00527/00528
/00529/00530/00531/00532/00533/00534/00535/00536/00537
/00538/00539/00540/00541/00542/00543/00544/00545/00546
/00547/82191/82192/82193/80969
Brand Name : /
Manufacturer Name : Yiwu MengYa Commodity Exchange Goods Firm
Buyer Name : Trendy store GmbH
Sample Receiving Date : Nov. 19, 2020
Testing Period : Nov. 19, 2020 to Nov. 24, 2020
Test Requested : Please refer to next page(s)
Test Method : Please refer to next page(s)
Test Results : Please refer to next page(s)

The measurement results only apply to the submitted samples.

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CONCLUSION:

Tested Samples	Test Requested	Conclusion
Tested Component of Submitted Sample	Lead Content	PASS
	Cadmium Content	PASS
	Polycyclic Aromatic Hydrocarbon (PAHs) Content	PASS
	Phthalates Content	PASS
	Short Chain Chlorinated Paraffins Content	PASS
	Formaldehyde Content	PASS
	AZO Compounds Content	PASS
	Colourfastness to Artificial Saliva	SEE RESULT
	Colourfastness to Perspiration	SEE RESULT

Note: The tested part of the sample was specified by client.
The test conclusion was given based on the results of tested part.

Authorized by: CTS (Ningbo) Testing Service Technology Co., Ltd.

Jane

Jane.Ye

Lab Manager



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TEST RESULTS:

1) Lead Content

Test Item(s)	Test Method	Test Instrument	MDL
Lead (Pb)	US EPA3050B	ICP-AES	2 mg/kg

Remark: MDL= Method Detection Limit

Sample Description		Result (mg/kg)	Limit (mg/kg)
		Lead (Pb)	
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	100
No.2	White fabric	N.D.	100
No.3*	(White/black) elastics (mixed)	N.D.	100

- Note :
- 1 mg/kg = 1 ppm = 0.0001%
 - N.D. = not detected (less than 2 mg/kg)
 - The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 76/769/EEC).
 - *The Testing results are based on the mixing of the sample which applicant required.

2) Cadmium Content

With reference to EN1122:2001B.

Sample Description		Result (mg/kg)	Limit (mg/kg)
		Cadmium (Cd)	
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	100
No.2	White fabric	N.D.	100
No.3*	(White/black) elastics (mixed)	N.D.	100

- Note :
- 1mg/kg=1ppm=0.0001%
 - N.D. = not detected (less than 2 mg/kg)
 - The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 91/338/EEC).

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4. *The Testing results are based on the mixing of the sample which applicant required.

3) Polycyclic Aromatic Hydrocarbon (PAHs) Content

Refer to AfPS GS 2019:01 PAK, ultrasonic extraction, followed by analysis using Gas Chromatography - Mass Spectrometry.

Sample Description	No.1*	(Blue/pink/black) fabric (mixed)				
	No.2	White fabric				
Compounds	CAS Number	Result (mg/kg)		Maximum permissible limit (mg/kg)		
				Category 1	Category 2	Category 3
		No.1*	No.2	1	2	3
(1) Naphthalene (NAP)	91-20-3	N.D.	N.D.	<1	<2	<10
(2) Phenanthrene (PHE)	85-01-8	N.D.	N.D.	<1	<10	<50
(3) Anthracene (ANT)	120-12-7	N.D.	N.D.			
(4) Fluoranthene (FLT)	206-44-0	N.D.	N.D.			
(5) Pyrene (PYR)	129-00-0	N.D.	N.D.			
(6) Benz(a)anthracene (BaA)	56-55-3	N.D.	N.D.	<0.2	<0.5	<1
(7) Chrysene (CHR)	218-01-9	N.D.	N.D.	<0.2	<0.5	<1
(8) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	N.D.	<0.2	<0.5	<1
(9) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	N.D.	<0.2	<0.5	<1
(10) Benzo(a)pyrene (BaP)	50-32-8	N.D.	N.D.	<0.2	<0.5	<1
(11) Indeno(1,2,3-cd) pyrene (IPY)	193-39-5	N.D.	N.D.	<0.2	<0.5	<1
(12) Dibenzo(a,h)anthracene (DBA)	53-70-3	N.D.	N.D.	<0.2	<0.5	<1
(13) Benzo(g,h,i)perylene(BPE)	191-24-2	N.D.	N.D.	<0.2	<0.5	<1
(14) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	N.D.	<0.2	<0.5	<1
(15) Benzo(e)pyrene (BeP)	192-97-2	N.D.	N.D.	<0.2	<0.5	<1
Total PAHs	- -	N.D.	N.D.	<1	<10	<50

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Sample Description	No.3*	(White/black) elastics (mixed)			
Compounds	CAS Number	Result (mg/kg)	Maximum permissible limit (mg/kg)		
			Category 1	Category 2	Category 3
		No.3*	1	2	3
(1) Naphthalene (NAP)	91-20-3	N.D.	<1	<2	<10
(2) Phenanthrene (PHE)	85-01-8	N.D.	<1	<10	<50
(3) Anthracene (ANT)	120-12-7	N.D.			
(4) Fluoranthene (FLT)	206-44-0	N.D.			
(5) Pyrene (PYR)	129-00-0	N.D.			
(6) Benz(a)anthracene (BaA)	56-55-3	N.D.	<0.2	<0.5	<1
(7) Chrysene (CHR)	218-01-9	N.D.	<0.2	<0.5	<1
(8) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	<0.2	<0.5	<1
(9) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	<0.2	<0.5	<1
(10) Benzo(a)pyrene (BaP)	50-32-8	N.D.	<0.2	<0.5	<1
(11) Indeno(1,2,3-cd) pyrene (IPY)	193-39-5	N.D.	<0.2	<0.5	<1
(12) Dibenz(a,h)anthracene (DBA)	53-70-3	N.D.	<0.2	<0.5	<1
(13) Benzo(g,h,i)perylene(BPE)	191-24-2	N.D.	<0.2	<0.5	<1
(14) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	<0.2	<0.5	<1
(15) Benzo(e)pyrene (BeP)	192-97-2	N.D.	<0.2	<0.5	<1
Total PAHs	--	N.D.	<1	<10	<50

- Note :
- 1 mg/kg=1 ppm=0.0001%
 - The detection limit of each of the individual compound is 0.1 mg/kg.
 - N.D. = not detected (less than MDL)
 - Category 1: Materials intended to be placed in the mouth or toy materials with intended prolonged skin contact (>30 seconds).
Category 2: Materials which do not fall under Category 1, with foreseeable prolonged skin contact (>30 seconds) or repeated short term skin contact.
Category 3: Materials which do not fall under Category 1 and 2, with foreseeable short term skin contact (<30 seconds)
 - *The Testing results are based on the mixing of the sample which applicant required.

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4) Phthalates Content

With reference to EPA 3540C and EPA 8270D: Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry.

Sample Description		Result (%)				Total (%)	Maximum Allowable Limit (%)
		DEHP	DBP	BBP	DIBP		
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
No.2	White fabric	N.D.	N.D.	N.D.	N.D.	N.D.	0.1
No.3*	(White/black) elastics (mixed)	N.D.	N.D.	N.D.	N.D.	N.D.	0.1

Sample Description		Result (%)			Total (%)	Maximum Allowable Limit (%)
		DINP	DNOP	DIDP		
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.2	White fabric	N.D.	N.D.	N.D.	N.D.	0.1
No.3*	(White/black) elastics (mixed)	N.D.	N.D.	N.D.	N.D.	0.1

- Note :
1. N.D.=Not Detected (<MDL)
 2. 1mg/kg=1ppm=0.0001%
 3. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment (EU) 2018/2005.
 4. *The Testing results are based on the mixing of the sample which applicant required.
 5. The method detect limit for each Phthalates are:

Method Detect Limit		
Phthalates	DEHP (Di- (2-ethylhexyl)phthalate)	0.005%
	DBP (Dibutyl phthalate)	0.005%
	BBP (Benzyl butyl phthalate)	0.005%
	DIBP (Di-isobutyl phthalate)	0.005%
	DINP (Di-isononyl phthalate)	0.005%
	DNOP (Di-n-octyl phthalate)	0.005%
	DIDP (Di-isodecyl phthalate)	0.005%

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5) Short Chain Chlorinated Paraffins Content

With reference to EPA 3540C and EPA 8270D: Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry.

Sample Description		Result (%)	Limit (%)
		Short Chain Chlorinated Paraffins(C10-13)	
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	0.15
No.2	White fabric	N.D.	0.15
No.3*	(White/black) elastics (mixed)	N.D.	0.15

- Note :
1. N.D. = not detected (less than MDL)
 2. MDL = Method Detect Limit=0.005%
 3. The limit refers to Regulation (EU) 2019/1021 and Regulation (EU) 2015/2030.
 4. *The Testing results are based on the mixing of the sample which applicant required.

6) Formaldehyde Content

Test Item(s)	Test Method	Test Instrument	MDL
Formaldehyde	ISO 14184-1:2011: Textiles -- Determination of formaldehyde -- Part 1: Free and hydrolized formaldehyde (water extraction method)	UV-Vis	16 mg/kg

Sample Description		Result (mg/kg)	Limit ^Δ
		Formaldehyde	
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	75
No.3*	(White/black) elastics (mixed)	N.D.	75

- Note :
1. 1mg/kg=1ppm=0.0001%
 2. N.D. = not detected (less than MDL)
 3. ^Δ=client's limit requirement
 4. *The Testing results are based on the mixing of the sample which applicant required.

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7) AZO Compounds Content

- 1) With reference to EN ISO 14362-1:2017, Analysis was performed by GC-MS.
2) p-Aminoazobenzene: With reference to EN ISO 14362-3:2017, Analysis was performed by GC-MS.

Sample Description		Result (mg/kg)	Limit (mg/kg)
		AZO	
No.1*	(Blue/pink/black) fabric (mixed)	N.D.	30
No.3*	(White/black) elastics (mixed)	N.D.	30

- Note :
1. N.D. = not detected (less than MDL)
 2. 1 mg/kg=1 ppm=0.0001%
 3. Method Detection Limit=5 mg/kg
 4. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 76/769/EEC and 2002/61/EC).
 5. *The Testing results are based on the mixing of the sample which applicant required.
 6. List of prohibitive aromatic amines to be tested :

No.	Prohibitive Aromatic Amines	CAS NO.	No.	Prohibitive Aromatic Amines	CAS NO.
1	O-Toluidine	95-53-4	13	4-Aminobiphenyl	92-67-1
2	2,6-Xylidine	87-62-7	14	4-Aminoazobenzene	60-09-03
3	2,4-Xylidine	95-68-1	15	4,4'-oxydianiline	101-80-4
4	O-Anisidine	90-04-0	16	Benzidine	92-87-5
5	4-Chloroaniline	106-47-8	17	4,4'-methylenedianiline	101-77-9
6	P-Cresidine	120-71-8	18	O-Aminoazotoluene	97-56-3
7	2,4,5-Trimethylaniline	137-17-7	19	4,4'-methylenedi-o-toluidine	838-88-0
8	4-Chloro-o-toluidine	95-69-2	20	3,3'-Dimethylbenzidine	119-93-7
9	4-methyl-m-phenylenedi amine	95-80-7	21	4,4'-Thiodianiline	139-65-1
10	4-methoxy-m-phenylene diamine	615-05-4	22	3,3'-Dichlorobenzidine	91-94-1
11	2-Naphthylamine	91-59-8	23	4,4'-Methylene-bis-(2-Chloro-aniline)	101-14-4
12	5-nitro-o-toluidine	99-55-8	24	3,3'-Dimethoxybenzidine	119-90-4

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8) Colourfastness to Artificial Saliva

DIN 53160-1: 2010

	No.4	No.5	No.6
	Blue fabric	Pink fabric	Black fabric
COLOUR STAINING ON FILTER PAPER	4-5	4-5	4-5

9) Colourfastness to Perspiration

BS EN ISO 105-E04: 2013, MULTIFIBRE DW

	No.4	No.5	No.6
	Blue fabric	Pink fabric	Black fabric
ACID			
COLOUR CHANGE	4-5	4-5	4-5
<u>COLOUR STAIN ON</u>			
ACETATE	4-5	4-5	4-5
COTTON	4-5	4-5	4-5
NYLON/POLYAMIDE	4-5	4-5	4-5
POLYESTER	4-5	4-5	4-5
ACRYLIC	4-5	4-5	4-5
WOOL	4-5	4-5	4-5
ALKALINE			
COLOUR CHANGE	4-5	4-5	4-5
<u>COLOUR STAIN ON</u>			
ACETATE	4-5	4-5	4-5
COTTON	4-5	4-5	4-5
NYLON/POLYAMIDE	4-5	4-5	4-5
POLYESTER	4-5	4-5	4-5
ACRYLIC	4-5	4-5	4-5
WOOL	4-5	4-5	4-5

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COLORFASTNESS RATING COLOR CHANGE

- 5 NEGLIGIBLE OR NO CHANGE
- 4 SLIGHTLY CHANGED
- 3 NOTICEABLY CHANGED
- 2 CONSIDERABLY CHANGED
- 1 MUCH CHANGED

COLORFASTNESS RATING COLOR STAIN SELF STAINING

- 5 NEGLIGIBLE OR NO STAINING
- 4 SLIGHTLY STAINED
- 3 NOTICEABLY STAINED
- 2 CONSIDERABLY STAINED
- 1 HEAVILY STAINED

Note : The report is amended from the report C3201119036-C.
The report C3201119036-C become invalid.

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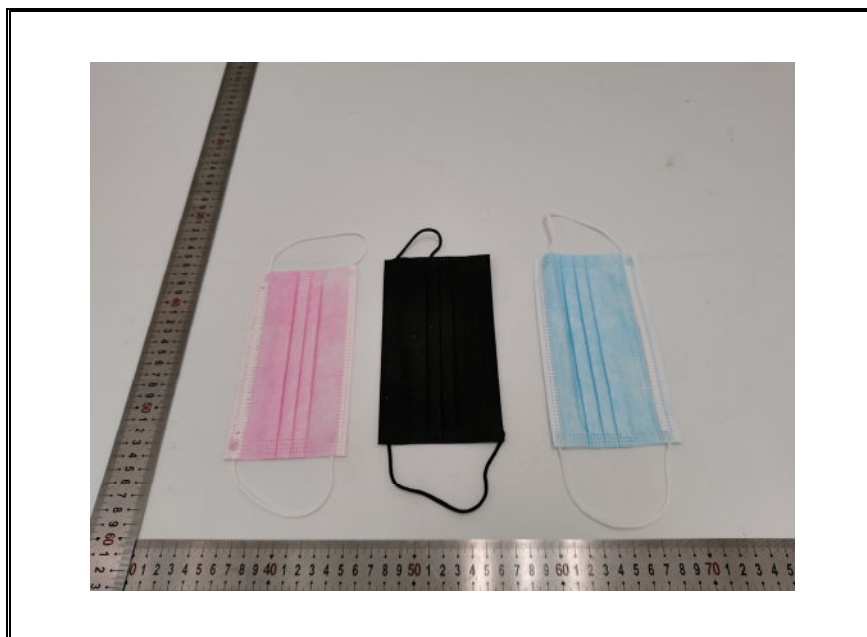
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SAMPLE REFERENCE PHOTO:



End of Report

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