

# CPST

## Test Report

No. C181119067001

Date: Nov 23, 2018

Page 1 of 5

Airinum AB

Ostermalmsgatan26A, Stockholm, Sweden c/o A House

The following samples were submitted and identified on behalf of the clients as

Sample Name: Urban Air Mask

Model: UM-211-212-213-214-215-216-217-218-219-311-312-313-314-315-316-317-318-319-411-412-413-414-415-416-417-418-419

Supplier:

CPST Internal Reference No.: C181119067

Sample Received Date: Nov 19, 2018

Test Period: Nov 19, 2018 to Nov 23, 2018

Test Method: Please refer to next pages

Test Result: Please refer to next pages.

### CONCLUSION :

#### TESTED SAMPLES

#### TEST ITEM

#### RESULT

Urban Air Mask

1. Azo Dyes Content

See the result

Signed for and on behalf of  
Eurones Consumer Products Testing Service Co., Ltd

TESTED BY :

REVIEWED BY:

APPROVED BY:

*Andy Wang*

Wang Guang Yu, Andy  
Project Leader

*Sunshine Liu*

Liu Xiao Fang, Sunshine  
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*Will Pan*

Pan Jian Ding, Will  
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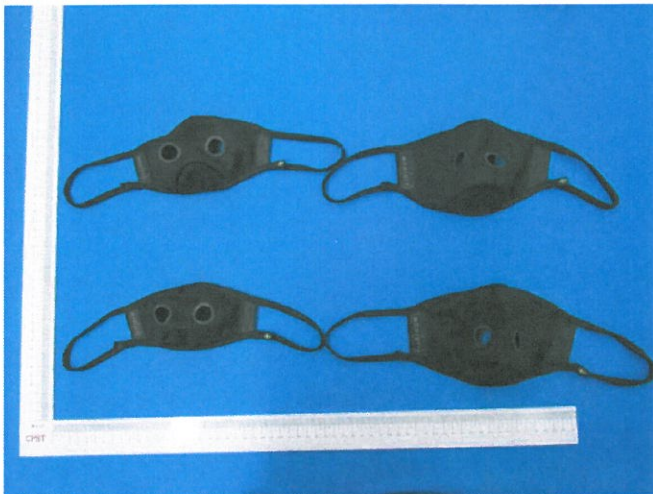
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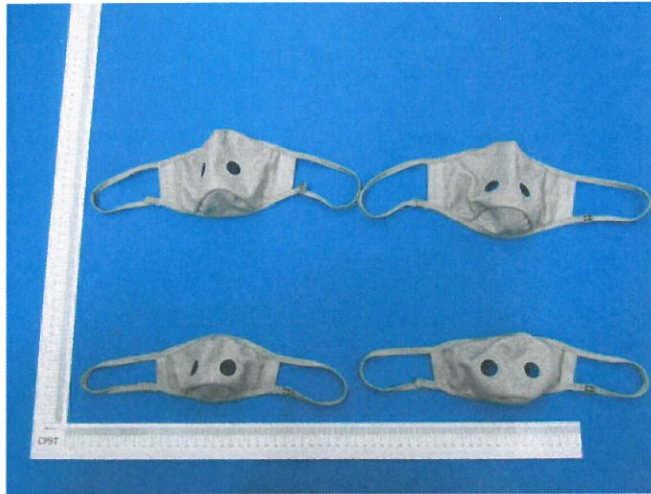
Postcode: 523945

E-mail: [service@cpstlab.com](mailto:service@cpstlab.com)

### Photo of the Submitted Sample



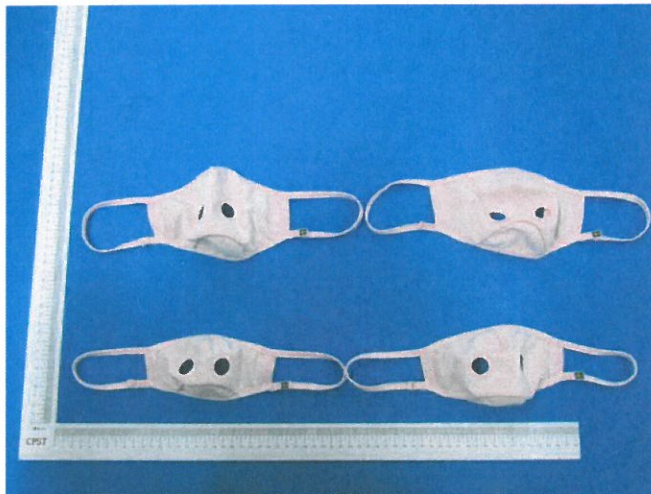
No.1



No.2



No.3



No.4

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Page 3 of 5

### Test Result:

Description of Specimen : No.1 Black mask cloth(whole test)  
 No.2 Grey mask cloth(whole test)  
 No.3 Black with silk screen mask cloth(whole test)  
 No.4 Pink mask cloth(whole test)

### 1. AZO Dyes Content

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

Test Item	Unit	CAS No.	Results				MDL
			No.1	No.2	No.3	No.4	
1) 4-Aminobiphenyl	mg/kg	92-67-1	N.D.	N.D.	N.D.	N.D.	5
2) Benzidine	mg/kg	92-87-5	N.D.	N.D.	N.D.	N.D.	5
3) 4-Chloro-o-toluidine	mg/kg	95-69-2	N.D.	N.D.	N.D.	N.D.	5
4) 2-Naphthylamine	mg/kg	91-59-8	N.D.	N.D.	N.D.	N.D.	5
5) o-Aminoazotoluene	mg/kg	97-56-3	N.D.	N.D.	N.D.	N.D.	5
6) p-Chloroaniline	mg/kg	106-47-8	N.D.	N.D.	N.D.	N.D.	5
7) 2,4-Diaminoanisole	mg/kg	615-05-4	N.D.	N.D.	N.D.	N.D.	5
8) 4,4'-Diaminodiphenylmethane	mg/kg	101-77-9	N.D.	N.D.	N.D.	N.D.	5
9) 3,3'-Dichlorobenzidine	mg/kg	91-94-1	N.D.	N.D.	N.D.	N.D.	5
10) 3,3'-Dimethoxybenzidine	mg/kg	119-90-4	N.D.	N.D.	N.D.	N.D.	5
11) 3,3'-Dimethylbenzidine	mg/kg	119-93-7	N.D.	N.D.	N.D.	N.D.	5
12) 3,3'-Dimethyl-4,4'-diaminodiphenyl methane	mg/kg	838-88-0	N.D.	N.D.	N.D.	N.D.	5
13) p-Cresidine	mg/kg	120-71-8	N.D.	N.D.	N.D.	N.D.	5
14) 4,4'-Methylene-bis-(2-Chloroaniline)	mg/kg	101-14-4	N.D.	N.D.	N.D.	N.D.	5
15) 4,4'-Oxydianiline	mg/kg	101-80-4	N.D.	N.D.	N.D.	N.D.	5
16) 4,4'-Thiodianiline	mg/kg	139-65-1	N.D.	N.D.	N.D.	N.D.	5
17) o-Toluidine	mg/kg	95-53-4	N.D.	N.D.	N.D.	N.D.	5
18) 2,4-Toluylenediamine	mg/kg	95-80-7	N.D.	N.D.	N.D.	N.D.	5
19) 2,4,5-Trimethylaniline	mg/kg	137-17-7	N.D.	N.D.	N.D.	N.D.	5
20) o-Anisidine	mg/kg	90-04-0	N.D.	N.D.	N.D.	N.D.	5
21) 2-Amino-4-nitrotoluene	mg/kg	99-55-8	N.D.	N.D.	N.D.	N.D.	5
22) 4-Aminoazobenzene	mg/kg	60-09-3	N.D.	N.D.	N.D.	N.D.	5
23) 2,4-xylidine	mg/kg	95-68-1	N.D.	N.D.	N.D.	N.D.	5
24) 2,6-xylidine	mg/kg	87-62-7	N.D.	N.D.	N.D.	N.D.	5

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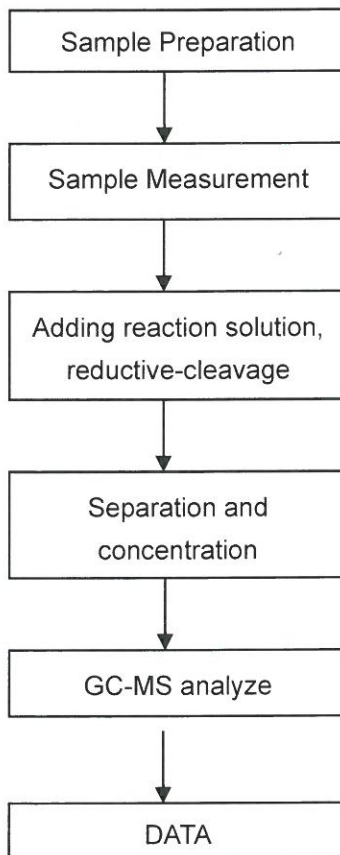
Note:

1. mg/kg = milligram per kilogram= ppm.
2. MDL = Method Detection Limit.
3. N.D. = Not Detected (< MDL).
4. Azo Dyes that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1, 4-phenylenediamine, therefore, the method of ISO 14362-3:2017 was employed to verify the 4-aminoazobenzene.

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### Azo Dyes Content Testing Flow Chart



\*\*\* End of Report \*\*\*

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