

TEST REPORT

No.: ED161012025CEV1-02

Date: October 18, 2016

Page 1 of 5

Applicant :
Address :

Sample Name : Headset
Style/Item No. : P326.901
Sample Received Date : October 12, 2016
Testing Completed Date : October 18, 2016

Test Requested : As requested by client, according to AfPS GS 2014:01 PAK, to determine the Polycyclic Aromatic Hydrocarbons (PAHs) in the submitted sample.

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

Executive Summary:

STANDARD

AfPS GS 2014:01 PAK - Polycyclic Aromatic Hydrocarbons (PAHs) Requirement

CONCLUSION

PASS

Prepared by:

Kira
Kira Fu
Report Engineer

Reviewed by:

Carrie
Carrie Zhang
Supervisor

Approved by:

Lainey
Lainey Qin
Lab Director

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST REPORT

No.: ED161012025CEV1-02

Date: October 18, 2016

Page 2 of 5

Test Results:

Test Method: To refer to AfPS GS 2014:01 PAK, the analysis was performed by GC / MS.

Test Item	CAS Number	Result (mg/kg)						Reporting Limit (mg/kg)
		1	2	3	4	5	6	
Benzo[a]pyrene(BaP)	50-32-8	ND	ND	ND	ND	ND	ND	0.2
Benzo[e]pyren(BeP)	192-97-2	ND	ND	ND	ND	ND	ND	0.2
Benzo[a]anthracene(BaA)	56-55-3	ND	ND	ND	ND	ND	ND	0.2
Benzo[b]fluoranthene(BbF)	205-99-2	ND	ND	ND	ND	ND	ND	0.2
Benzo[j]fluoranthene(BjF)	205-82-3	ND	ND	ND	ND	ND	ND	0.2
Benzo[k]fluoranthene(BkF)	207-08-9	ND	ND	ND	ND	ND	ND	0.2
Chrysene(CHR)	218-01-9	ND	ND	ND	ND	ND	ND	0.2
Dibenzo[a,h]anthracene(DBA)	53-70-3	ND	ND	ND	ND	ND	ND	0.2
Benzo[g,h,i]perylene(BPE)	191-24-2	ND	ND	ND	ND	ND	ND	0.2
Indeno[1,2,3-cd]pyrene(IPY)	193-39-5	ND	ND	ND	ND	ND	ND	0.2
Acenaphthylene(ANY)	208-96-8	ND	ND	ND	ND	ND	ND	0.2
Acenaphthene(ANA)	83-32-9	ND	ND	ND	ND	ND	ND	0.2
Fluorene(FLU)	86-73-7	ND	ND	ND	ND	ND	ND	0.2
Phenanthrene(PHE)	85-01-8	ND	ND	ND	ND	ND	ND	0.2
Pyrene(PYR)	129-00-0	ND	ND	ND	ND	ND	ND	0.2
Anthracene(ANT)	120-12-7	ND	ND	ND	ND	ND	ND	0.2
Fluoran-thene(FLT)	206-44-0	ND	ND	ND	ND	ND	ND	0.2
Sum [#] of Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-----	ND	ND	ND	ND	ND	ND	-----
Naphthalene(NAP)	91-20-3	ND	ND	ND	ND	ND	ND	0.2
Total of above PAHs (sum) [#]	-----	ND	ND	ND	ND	ND	ND	-----

Note: 1. mg/kg = part per million = ppm ND = Not Detected (less than Reporting limit)

2. “[#]” = Only those PAH components which present in the material over the 0.2 mg/kg are taken into account while calculating the sum of PAHs
3. All the materials tested belong to category 2 by identifying.

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST REPORT

No.: ED161012025CEV1-02

Date: October 18, 2016

Page 3 of 5

Appendix

Limit of PAH content according to AfPS GS 2014:01 PAK.

Parameter	Category 1 Materials intended to be put in the mouth, or materials in toys intended and with long-term skin contact (longer than 30s)	Category 2 Materials not covered by category 1, with predictable skin contact longer than 30 seconds(long-term skin contact) or repeated short-term skin contact*		Category 3 Materials not fall in category 1 or 2 with predictable skin contact up to 30s(short-term skin contact)	
		Toys by Directive 2009/48/EC	Other products by ProdSG	Toys by Directive 2009/48/EC	Other products by ProdSG
Benzo[a]pyrene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyren (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]anthracene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-cd]pyrene (mg/kg)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene (mg/kg)	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (mg/kg)	< 1	< 2		< 10	
Sum 18 PAHs (mg/kg)	< 1	< 5	< 10	< 20	< 50

Remark: * Phrase "short-term repeated skin contact" from REACH Annex XVII No. 50 supplement (REGULATION (EU) No.1272 / 2013)

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST REPORT

No.: ED161012025CEV1-02

Date: October 18, 2016

Page 4 of 5

Test Material List:

Item No.	Description
1	Silver / transparent overlap coating on plastic (receiver of earphone)
2	Black hard plastic (support / receiver of earphone)
3	Grey hard plastic (support of earphone)
4	Black hard plastic (plug of connecting line)
5	Black soft plastic (wire / plug / receiver of connecting line)
6	Black synthetic leather back with black fabric (receiver of earphone)

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST REPORT

No.: ED161012025CEV1-02

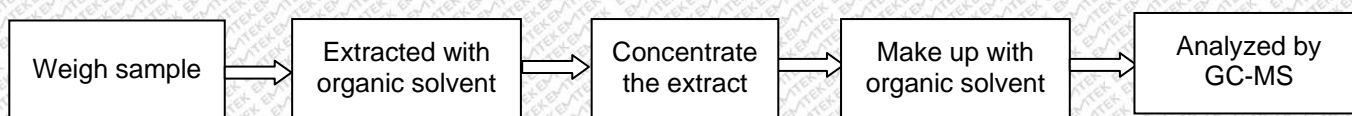
Date: October 18, 2016

Page 5 of 5

Photo Appendix



TEST FLOWCHART



* * * * * The End * * * * *

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.