



TEST REPORT

REPORT No.: **DTI20231103**

Date: 2023-08-03

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Applicant Company Name: Waterpulse (Shanghai) Industrial Co., Ltd

Applicant Company Address: 101, Building 1, No. 1501 Jin Sui Road, Pudong New Area, Shanghai PRC

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : Nasal Rinse Salt \Saline Packets
 Model No. : 2.7g/packet
 Series model : 4.5g/packet
 Trademark : Waterpulse\Smambo
 Manufacture : Waterpulse (Shanghai) Industrial Co., Ltd
 Manufacture Address : 101, Building 1, No. 1501 Jin Sui Road, Pudong New Area, Shanghai PRC
 Sample Receiving Date : July 31, 2023
 Testing Period : From July 31, 2023 to August 03, 2023
 Results : Please refer to next page(s).

Summary of Test Results:

TEST REQUEST

As specified by client, to determine on Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl ethers (PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzylbutyl Phthalate (BBP), Dibutyl Phthalate (DBP) & Di-iso-butyl ortho-phthalate (DIBP) contents in the submitted sample in accordance with Directive 2011/65/EU and its amendment directives 2015/863/EU (RoHS 2.0).

CONCLUSION

Pass

Shenzhen Deesev Testing International Corp

Approved by: Tommy Jiang
lab manager

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Results:

Description for specimen:

(1) White Particle

A. EU RoHS Directive 2011/65/EU and its amendment directives(RoHS 2.0)

Test method:

Lead ,Mercury& Cadmium Content:

With reference to IEC 62321-5:2013 and IEC 62321-4:2013+AMD1:2017, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES)

Hexavalent Chromium Content:

With reference to IEC 62321-7-2:2017, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

DEHP, BBP, DBP&DIBP content:

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

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1) The test results of Pb、Cd、Hg and Cr (VI)

Item	Unit	MDL	Results	Limit
			(1)	
Lead Content (Pb)	mg/kg	2	N.D.	≤1000
Cadmium Content (Cd)	mg/kg	2	N.D.	≤100
Mercury Content (Hg)	mg/kg	2	N.D.	≤1000
Hexavalent Chromium (Cr (VI))	mg/kg	8	N.D.	≤1000
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected
- MDL = Method Detection Limit
- mg/kg = ppm

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2) The test results of PBBs & PBDEs

Item	Unit	MDL	Results	Limit
			(1)	
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	mg/kg	5	N.D.	/
Dibromobiphenyl	mg/kg	5	N.D.	/
Tribromobiphenyl	mg/kg	5	N.D.	/
Tetrabromobiphenyl	mg/kg	5	N.D.	/
Pentabromobiphenyl	mg/kg	5	N.D.	/
Hexabromobiphenyl	mg/kg	5	N.D.	/
Heptabromobiphenyl	mg/kg	5	N.D.	/
Octabromobiphenyl	mg/kg	5	N.D.	/
Nonabromodiphenyl	mg/kg	5	N.D.	/
Decabromodiphenyl	mg/kg	5	N.D.	/
Total content	mg/kg	/	N.D.	≤1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)				
Monobromodiphenyl ether	mg/kg	5	N.D.	/
Dibromodiphenyl ether	mg/kg	5	N.D.	/
Tribromodiphenyl ether	mg/kg	5	N.D.	/
Tetrabromodiphenyl ether	mg/kg	5	N.D.	/
Pentabromodiphenyl ether	mg/kg	5	N.D.	/
Hexabromodiphenyl ether	mg/kg	5	N.D.	/
Heptabromodiphenyl ether	mg/kg	5	N.D.	/
Octabromodiphenyl ether	mg/kg	5	N.D.	/
Nonabromodiphenyl ether	mg/kg	5	N.D.	/
Decabromodiphenyl ether	mg/kg	5	N.D.	/
Total content	mg/kg	/	N.D.	≤1000
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected
- mg/kg = ppm
- MDL = Method Detection Limit

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3) The test results of DEHP, BBP, DBP&DIBP

Item	Unit	MDL	Results	Limit
			(1)	
Di-2-ethylhexyl phthalate(DEHP)	mg/kg	30	N.D.	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	N.D.	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	N.D.	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	N.D.	≤1000
Conclusion	/	/	Pass	/

Note:

- N.D. = Not Detected
- mg/kg = ppm
- MDL = Method Detection Limit
- Decision rule: According to DTI-CX-39-2022 《Decision rule for conformity of the test results》
- Flow chart appendix is included.
- Photo appendix is included.

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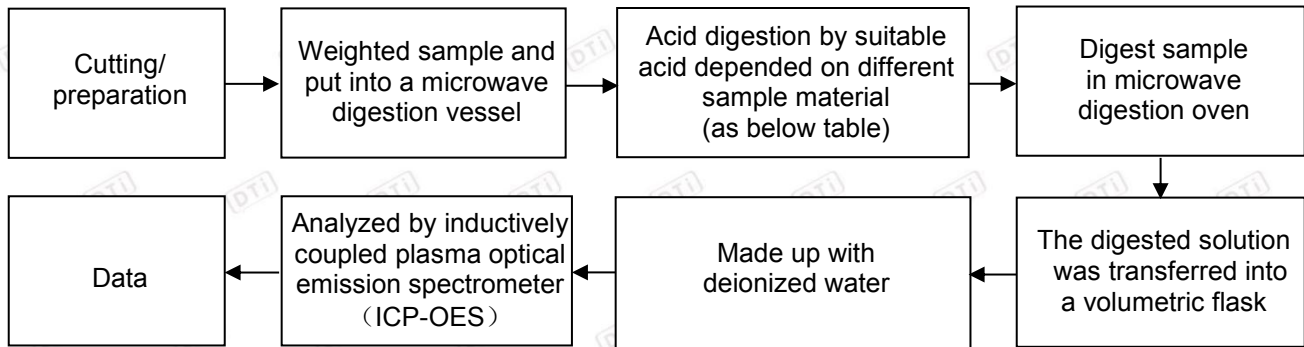
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Appendix I

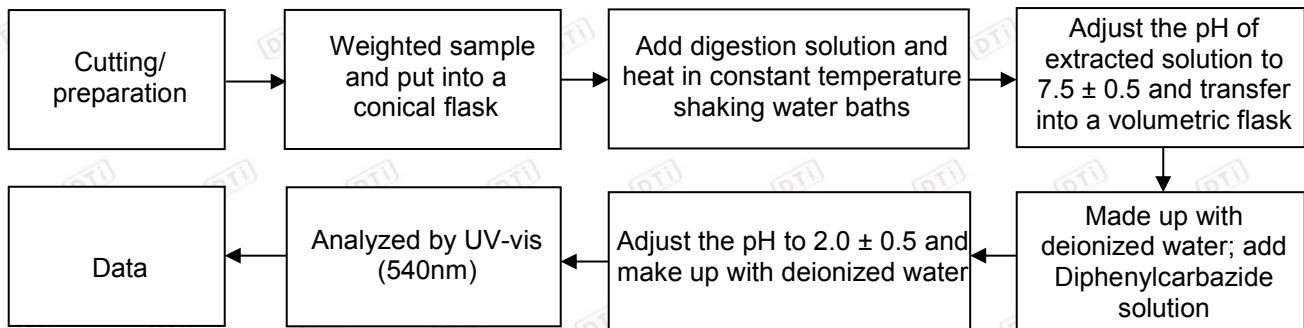
Test Flow chart

1. Test Flowchart for Cd / Pb /Hg content

These samples were dissolved totally by pre-conditioning method according to below flow chart.



2. Test Flowchart for Cr⁶⁺ content



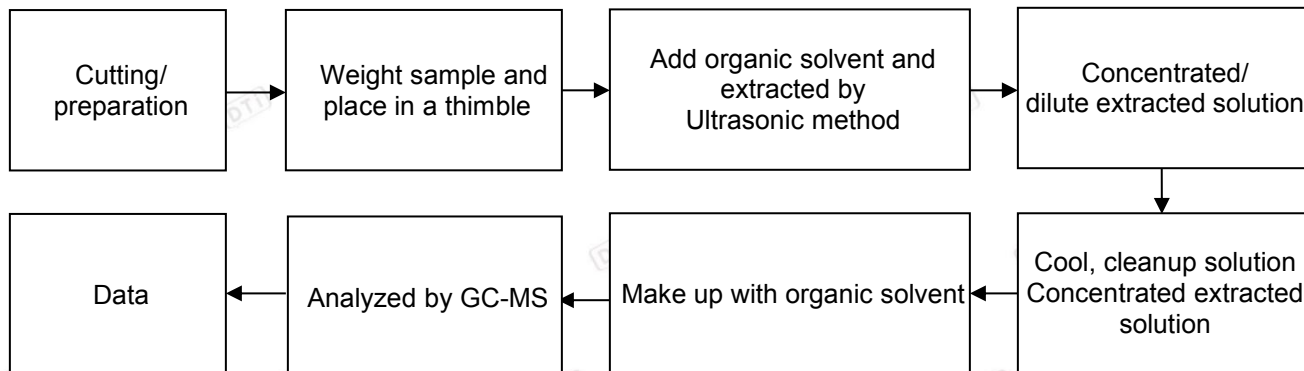
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3. Test Flowchart for PBBs & PBDEs content



4. Test Flowchart for DEHP, BBP, DBP & DIBP content

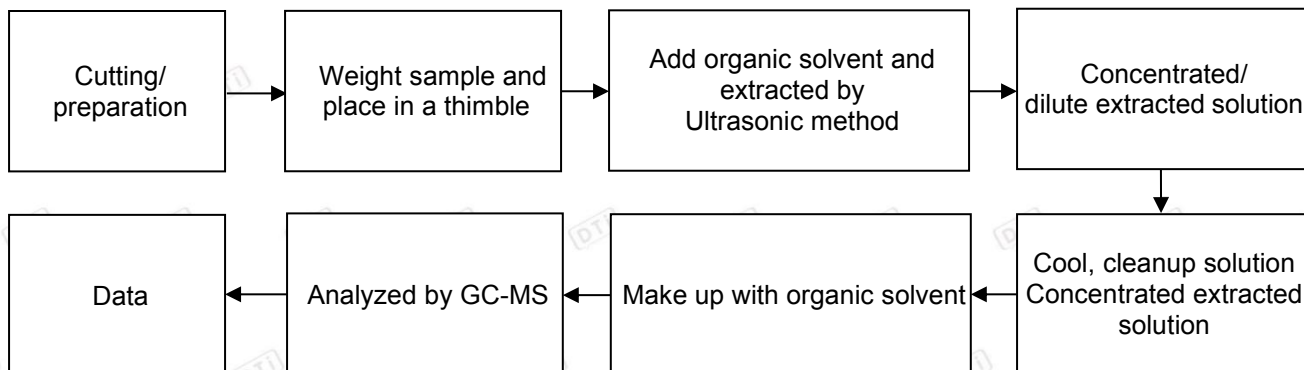


Table:

Sample material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

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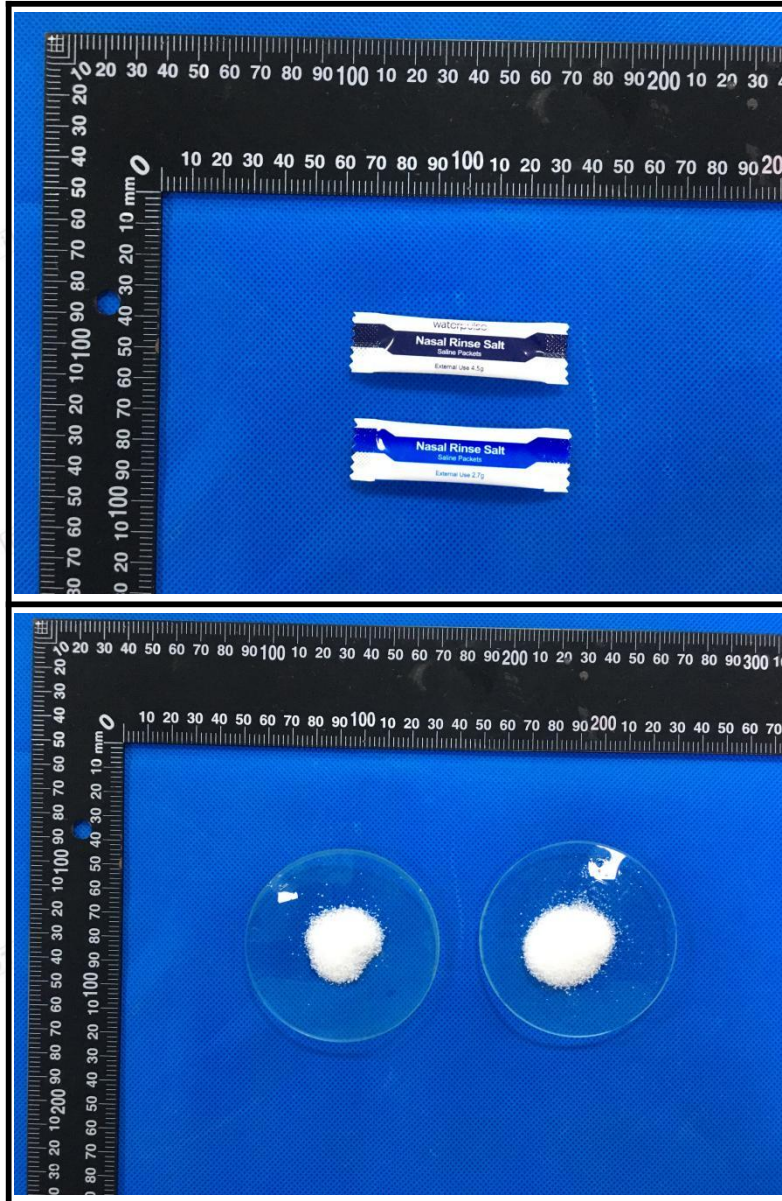
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Appendix II

Photograph of Sample



*** End of Report ***

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