

**TEST REPORT**No. **8621.SH.2004.0230.3** Date: **04.30, 2020** Page: **1 / 6**

Applicant : ALPHA ADVANCED TECHNOLOGIES, CO., LTD.  
Address : G/F 631-633 RECLAMATION ST., MONGKOK, KOWLOON, HONG KONG

Below information submitted by the applicant:

Product Name : UBET 3D Disinfection Tablet  
Model : /  
Model may cover : /  
Reference info. : /  
Manufacturer info. : /  
Supplier info. : /  
Buyer info. : /  
Country of Destination : /  
Country of Origin : China

Sample Received : 04.21, 2020  
Test Period : 04.21, 2020 - 04.26, 2020  
Test Requirement : Refer to next pages  
Test Method : Refer to next pages  
Test Result : Refer to next pages  
Test Conclusion : Refer to next pages

Jerry Zhao, Technical Director  
Signed for and on behalf of  
TUV THURINGEN SHANGHAI CO., LTD.  
Shanghai

**TÜV Thüringen CHINA**

## TEST RESULTS

As the applicant required, to carry the test items as below:

Test Items	Verdict
1. RoHS 2.0 Directive 2011/65/EU and its Commission delegated Directive (EU) 2015/863 - Lead and its compounds - Cadmium and its compounds - Mercury and its compounds - Hexavalent Chromium and its compounds - PBBs and PBDEs content - Phthalates (DBP, BBP, DEHP, DIBP) content	PASS

## SAMPLE DESCRIPTION

Sample description : 1#. White tablet

## TEST RESULTS

### 1. RoHS - Lead (Pb)/Cadmium(Cd)/Mercury(Hg)/Hexavalent Chromium(Cr6+)/ PBBs& PBDEs/ Phthalates

**Test Method:** With reference to:

**IEC 62321-1:2013** Determination of certain substances in electrotechnical products - Part 1: Introduction and overview

**IEC 62321-2:2013** Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation

**IEC 62321-3-1:2013** Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry

**IEC 62321-3-2:2013** Determination of certain substances in electrotechnical products - 3-2: Screening - Total bromine in polymers and electronics by Combustion - Ion Chromatography

**IEC 62321-4:2013+AMD1:2017** CSV Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS

**IEC 62321-5:2013** Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS

**IEC 62321-6:2015** Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)

**IEC 62321-7-1:2015** Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals by the colorimetric method

**IEC 62321-7-2:2017** Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method

**IEC 62321-8:2017** Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS)

Test Items	Units	MDL	Test Results	Permissible Limit
			1#	
Lead and its compounds	mg/kg	2	n.d.	1000, max
Cadmium and its compounds	mg/kg	2	n.d.	100, max
Mercury and its compounds	mg/kg	2	n.d.	1000, max
Hexavalent Chromium and its compounds	mg/kg	2	n.d.	1000, max
PBBs	mg/kg	---	n.d.	1000, max
Monobromobiphenyl	mg/kg	50	n.d.	---

# TEST REPORT

No. **8621.SH.2004.0230.3** Date: **04.30, 2020** Page: **3 / 6**

Test Items	Units	MDL	Test Results	Permissible Limit
			1#	
Dibromobiphenyl	mg/kg	50	n.d.	---
Tribromobiphenyl	mg/kg	50	n.d.	---
Tetrabromobiphenyl	mg/kg	50	n.d.	---
Pentabromobiphenyl	mg/kg	50	n.d.	---
Hexabromobiphenyl	mg/kg	50	n.d.	---
Heptabromobiphenyl	mg/kg	50	n.d.	---
Octabromobiphenyl	mg/kg	50	n.d.	---
Nonabromobiphenyl	mg/kg	50	n.d.	---
Decabromobiphenyl	mg/kg	50	n.d.	---
PBDEs	mg/kg	50	n.d.	1000, max
Monobromodiphenol ether	mg/kg	50	n.d.	---
Dibromodiphenol ether	mg/kg	50	n.d.	---
Tribromodiphenol ether	mg/kg	50	n.d.	---
Tetrabromodiphenol ether	mg/kg	50	n.d.	---
Pentabromodiphenol ether	mg/kg	50	n.d.	---
Hexabromodiphenol ether	mg/kg	50	n.d.	---
Heptabromodiphenol ether	mg/kg	50	n.d.	---
Octabromodiphenol ether	mg/kg	50	n.d.	---
Nonabromodiphenol ether	mg/kg	50	n.d.	---
Decabromodiphenol ether	mg/kg	50	n.d.	---
DBP, Dibutyl Phthalate	mg/kg	30	n.d.	1000, max
BBP, Butyl Benzyl Phthalate	mg/kg	30	n.d.	1000, max
DEHP, Di-(2-ethylhexyl) phthalate	mg/kg	30	n.d.	1000, max
DIBP, Di-isobutyl phthalate	mg/kg	30	n.d.	1000, max

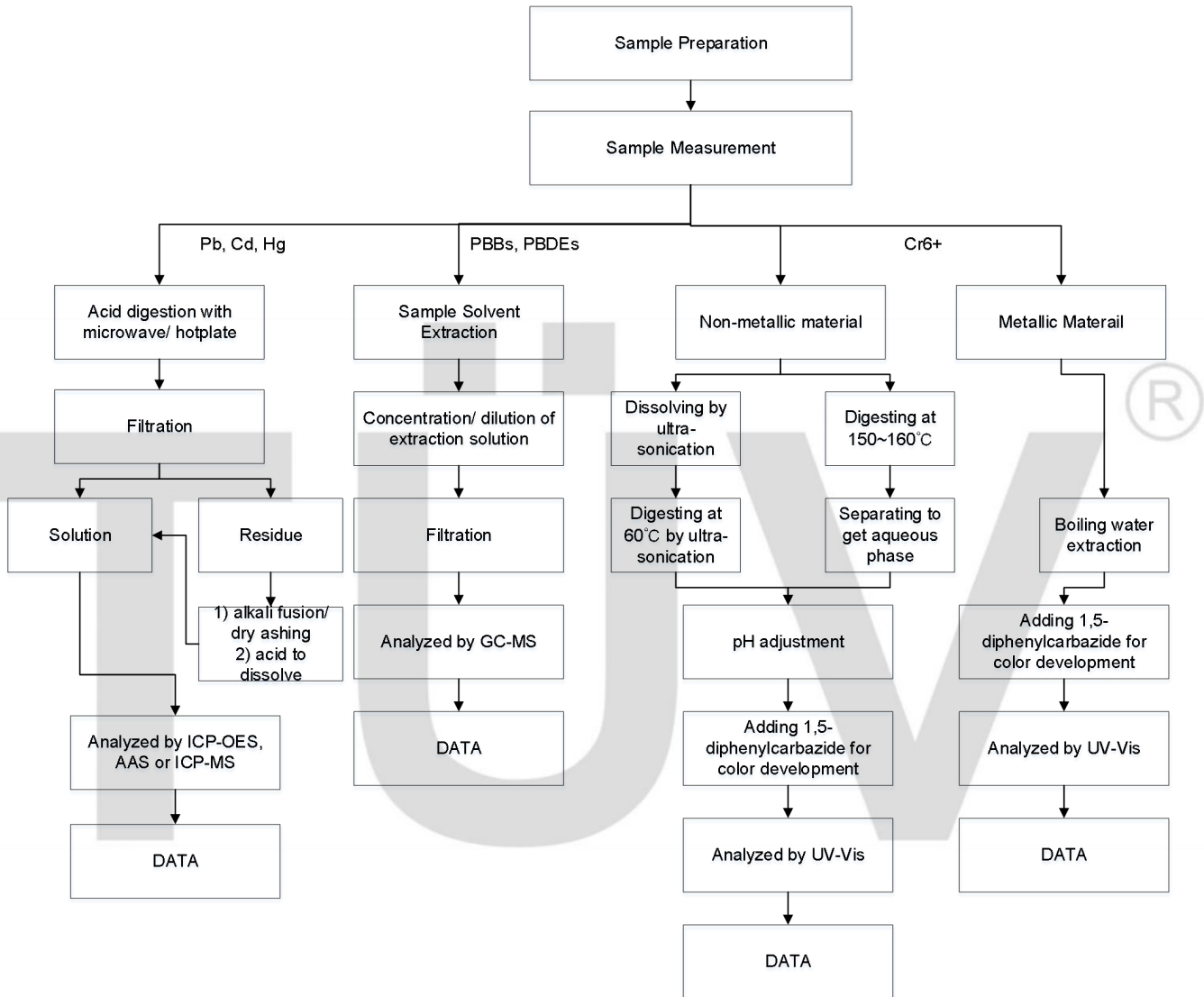
Note:

1. %, percentage; mg, milligrams; g, grams; kg, kilograms
2. mg/kg = milligrams per kilograms; mg/L = milligrams per litre
3. 0.1% = 1000mg/kg = 1000mg/L
4. < = less than; > = greater than
5. MDL = method detection limit
6. n.d. = not detected, < MDL
7. n.a. = not applicable
8. n.r. = not required
9. EX = abbr. of Exempted

\*\*\*\*\* To be continued \*\*\*\*\*

**Test Flowchart for Hazardous Testing  
Pb, Cd, Hg, Cr<sup>VI</sup>, PBBs, PBDEs**

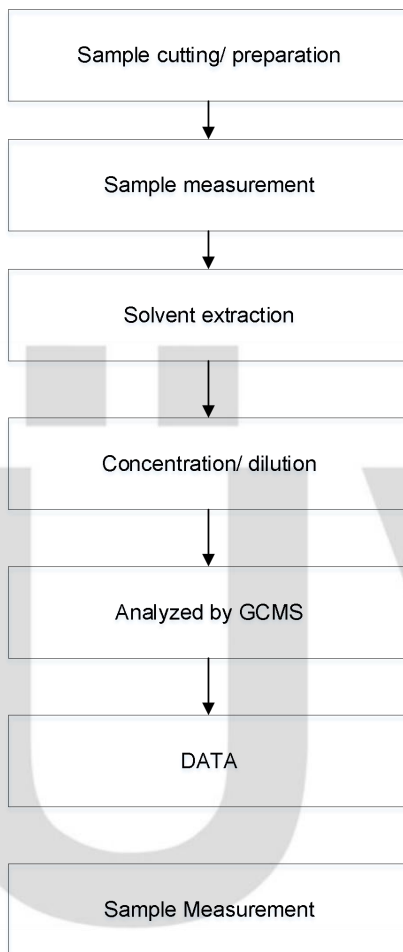
Method: with reference to IEC 62321 series



\*\*\*\*\* To be continued \*\*\*\*\*

## Test Flowchart for Hazardous Testing Phthalates (BBP, DBP, DEHP, DIBP)

Method: with reference to IEC 62321 series

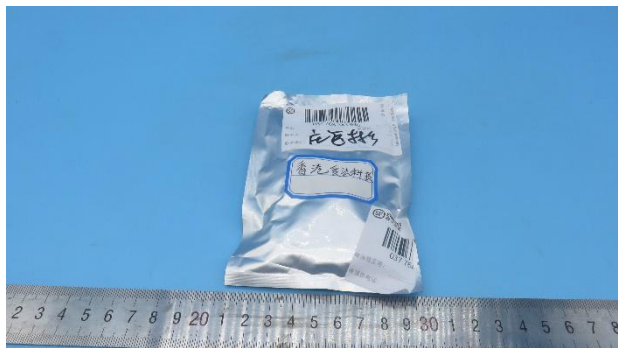


\*\*\*\*\* To be continued \*\*\*\*\*

## SAMPLE IMAGE



1#



2#

\*\*\*\* END OF REPORT \*\*\*\*

