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The results relate only to the item tested.

TEST REPORT

Number: BKKH15014804

Applicant: P.GENERAL PRODUCTS
234 MOO 5, PRAKASA RD., PRAKASA, MUANG,
SAMUTPRAKARN 10280

Date: Dec 02, 2024

Sample Submitted:

Quantity of sample: One (1) bag
Sample description: Clear glass beads
Date sample received: November 26, 2024
Testing period: November 26, 2024 to December 02, 2024

Client Information:

Item Name: Glass Beads "P-Beads"
Manufacturer Name: P.General Products
Country of Origin: Thailand



Test conducted:

As requested by the applicant, for details please refer to attached page(s)
Type of test: RoHS wet chemical analysis

Authorized by :
For Intertek Testing Services (Thailand)

Ladtaka Wongwiboonporn
Laboratory Manager
Hardlines Department



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Test conducted:

(A) Test result summary:

<u>Testing item</u>	<u>Result</u>	<u>LOD</u>	<u>LOQ</u>
	<u>Submitted samples</u>		
Cadmium (Cd) Content (mg/kg)	ND	1	5
Lead (Pb) Content (mg/kg)	ND	2	13
Mercury (Hg) Content (mg/kg)	ND	3	13
Chromium VI (Cr ⁶⁺) Content (mg/kg)	ND	0.2	1

Name of operation: Phanupong C.

Remark: mg/kg = Milligram per kilogram based on weight of sample = ppm
 LOD = Limit of detection
 LOQ = Limit of quantitation
 ND = Not detected (Less than LOD)

Tested component: Clear glass beads (Glass Beads "P-Beads")

(B) RoHS requirement:

<u>Restricted substances</u>	<u>Limits</u>
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium VI (Cr ⁶⁺)	0.1% (1000 mg/kg)

The above limits were quoted from 2011/65/EU for homogeneous material.

(C) Test method:

<u>Testing item</u>	<u>Testing method</u>
Cadmium (Cd) Content	With reference to IEC 62321-5 Edition 1.0 2013-06, by microwave digestion and determined by ICP-OES
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0 2013-06, by microwave digestion and determined by ICP-OES
Mercury (Hg) Content	With reference to IEC 62321-4 Edition 1.0 2013-06, by microwave digestion and determined by ICP-OES
Chromium VI (Cr ⁶⁺) Content (for non-metal)	With reference to IEC 62321 Edition 1.0 : 2008 Annex C, by alkaline digestion and determined by UV-VIS spectrophotometer



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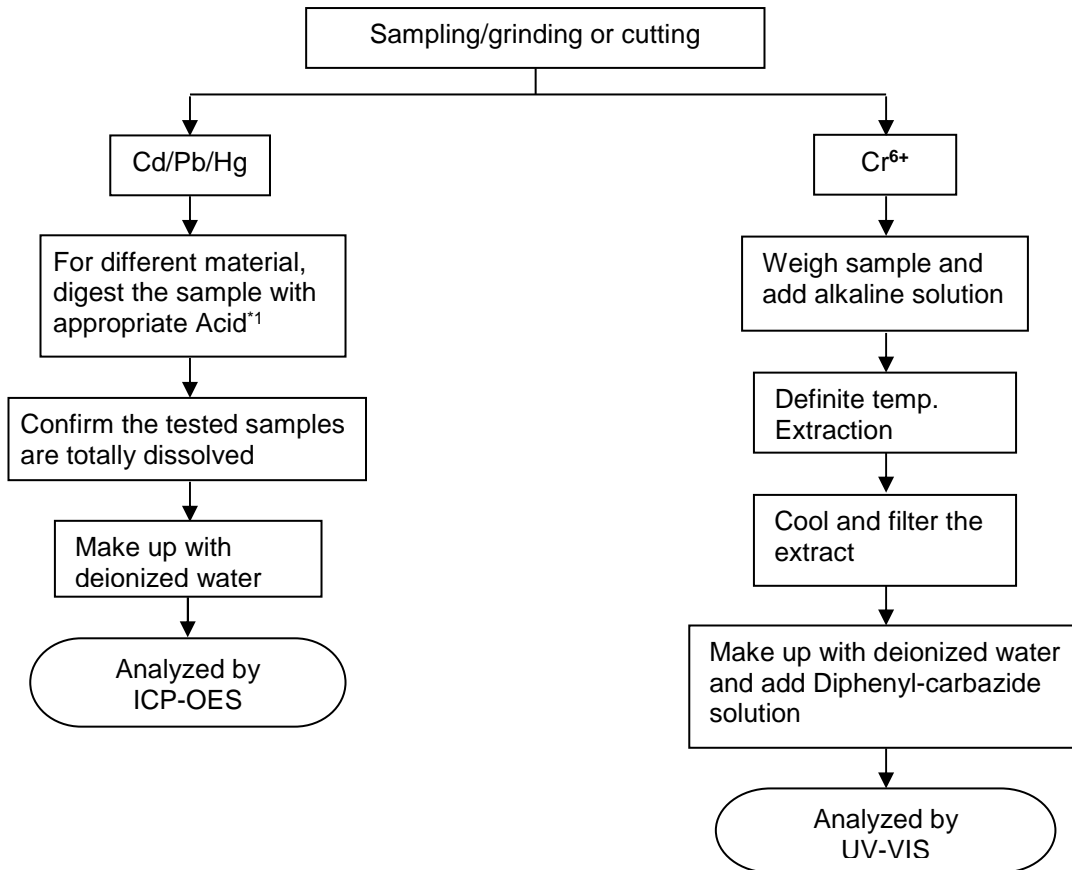
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Test conducted:

(D) Measurement Flowchart

Test for Cd/Pb/Hg/Chromium VI Contents



Remark:

*1: List of appropriate Acid:

Material	Acid added for digestion
Polymers	HNO ₃ , HCl

***** E N D *****/NS

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