

Shenzhen 863 New Material and Technology Co., Ltd

Test Report

Report No: SAC2024-12846E

Date: Dec. 6, 2024

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Customer : shenzhen PiQnano Tech
Address : 4018, No. 11, Yongshun Street, Zhucun, Xinhe Community, Fucheng Street, Longhua District, Shenzhen

Sample Information

Sample Name : Fluorine based electronic nano coating agent
Sample Description : Transparent liquid
Model/P.O. No. : S1/2/5/8/10/20
Item/Lot No. : /
Material/State : /
Buyer : /
Supplier : shenzhen PiQnano Tech
Manufacturer : shenzhen PiQnano Tech
Received Date : Dec. 3, 2024
Test Period : Dec. 3, 2024~Dec. 6 2024
Test Method : Please refer to the following pages.
Test Result(s) : Please refer to the following pages.

Test Requirement	Conclusion
As specified by customer, according to the EU RoHS 2011/65/EU and its amendment directive (EU) 2015/863, to analyze the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr^{6+}), PBBs, PBDEs, DBP, BBP, DEHP and DIBP content of the sample.	Pass

Note(s): /

Edited by: Xiaomei Yang

Audited by:

Candy

Approved by:

Allen

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Test Method:

Test Item(s)	Testing Standard	Equipment	Equipment No.	Calibration validity date
Lead (Pb), Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	SA-319	20250420
Mercury (Hg)	IEC 62321-4:2013+ AMD1:2017	ICP-OES	SA-319	20250420
Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017	UV-Vis	SA-49	20250313
PBBs, PBDEs	IEC 62321-6:2015	GC-MS	SA-164	20250314
DBP, BBP, DEHP, DIBP	IEC 62321-8:2017	GC-MS	SA-51	20250314

Test Result(s)

Test Item(s)	Results(mg/kg)	MDL(mg/kg)	Max Limit(mg/kg)
Lead (Pb)	ND	2	1000
Cadmium (Cd)	ND	2	100
Mercury (Hg)	ND	2	1000
Hexavalent Chromium (Cr ⁶⁺)	ND	2	1000
Monobromobiphenyl	ND	5	—
Dibromobiphenyl	ND	5	—
Tribromobiphenyl	ND	5	—
Tetrabromobiphenyl	ND	5	—
Pentabromobiphenyl	ND	5	—
Hexabromobiphenyl	ND	5	—
Heptabromobiphenyl	ND	5	—
Octabromobiphenyl	ND	5	—
Nonabromobiphenyl	ND	5	—
Decabromobiphenyl	ND	5	—
Polybrominated Biphenyls (PBBs)	ND	—	1000
Monobromodiphenyl ether	ND	5	—
Bibromobidiphenyl ether	ND	5	—
Tribromodiphenyl ether	ND	5	—
Tetrabromodiphenyl ether	ND	5	—
Pentabromodiphenyl ether	ND	5	—

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Test Item(s)	Results(mg/kg)	MDL(mg/kg)	Max Limit(mg/kg)
Hexabromodiphenyl ether	ND	5	—
Heptabromodiphenyl ether	ND	5	—
Octabromodiphenyl ether	ND	5	—
Nonabromodiphenyl ether	ND	5	—
Decabromodiphenyl ether	ND	5	—
Polybrominated Diphenyl Ethers (PBDEs)	ND	—	1000
Dibutyl phthalate (DBP)	ND	10	1000
Butyl benzyl phthalate (BBP)	ND	10	1000
Bis(2-ethylhexyl) phthalate(DEHP)	ND	10	1000
Diisobutyl phthalate (DIBP)	ND	10	1000

Remark:

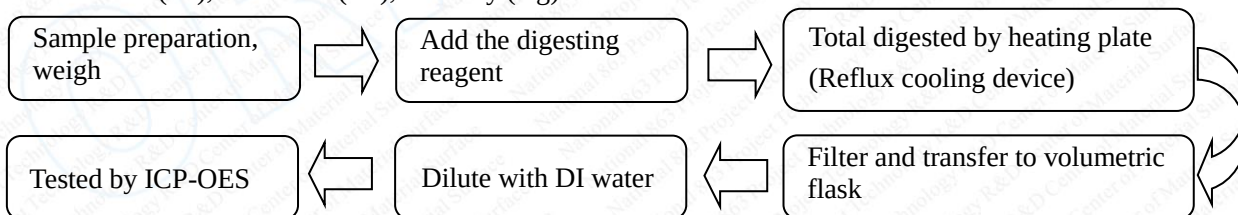
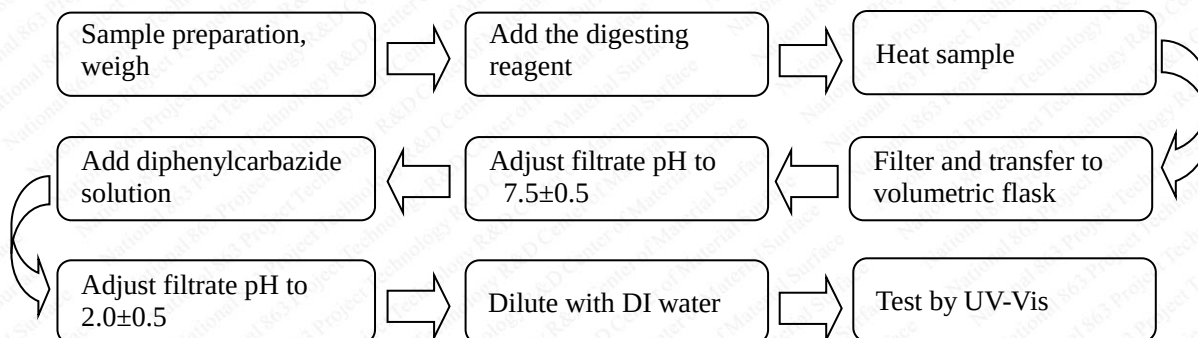
(1) mg/kg =milligram per kilogram=ppm= parts per million;

MDL = Method Detection Limit; ND = Not Detected(lower than MDL).

(2) Results shown as ND are ignored in the sum calculation.

Test Process:

1. Test Lead (Pb), Cadmium (Cd), Mercury (Hg) concentration:


 2. Test Hexavalent Chromium (Cr⁶⁺) concentration:


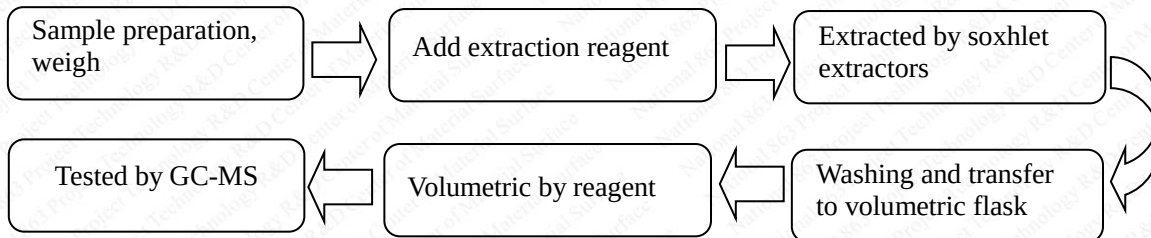
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3. Test PBBs, PBDEs concentration:



4. Test DBP, BBP, DEHP, DIBP concentration:

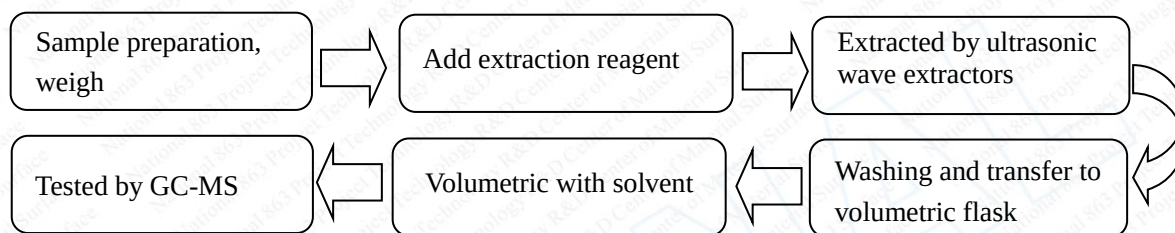


Photo of the sample



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*** End of report ***

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