Test Report

No.: CKGEC24000375201 **Date:** May 08, 2024

Client Name: UNISEM CHENGDU CO., LTD.

Client Address: NO,8-2 KEXIN ROAD ,WEST PARK OF CHENGDU HI-TECH ZONE,611731 SICHUAN, PR CHINA

Sample Name: SLP QFN/DFN Package

The above sample(s) and information were provided by the client.

SGS Job No.: CQP24-004350

Sample Receiving Date: Apr 28, 2024

Testing Period: Apr 28, 2024 ~ May 08, 2024

Test Requested: Select test(s) as requested by the client.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Chongqing) Co., Ltd.

scan to see the report

Mary Zou
Approved Signatory

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Test Result(s):

Test Part Description

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CKG24-0003752-0001.C001	"SLP QFN/DFN Package"

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES/A TJETQq1

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Test Item(s)	Limit	Unit(s)	MDL	A1
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND

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Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH_4)	29081-56-9
Perfluorooctane sulfonate diethanolamine salt (PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3
N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8
Perfluorooctane Sulfonyl fluoride (PFOS-F)	[redacted]
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS	[redacted]
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluor	[redacted]
PFOSA, its salts	[redacted]
Perfluorooctane Sulfonamide (PFOSA)	[redacted]
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]K)	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted](APFO)	[redacted]
[redacted]	[redacted]

In-House Method, analysis was performed by ICP-OES/AAS.

	Unit(s)	MDL	
Beryllium(Be)	mg/kg	5	ND
Antimony(Sb)	mg/kg	10	ND

Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	
Fluorine(F)	mg/kg	20	ND

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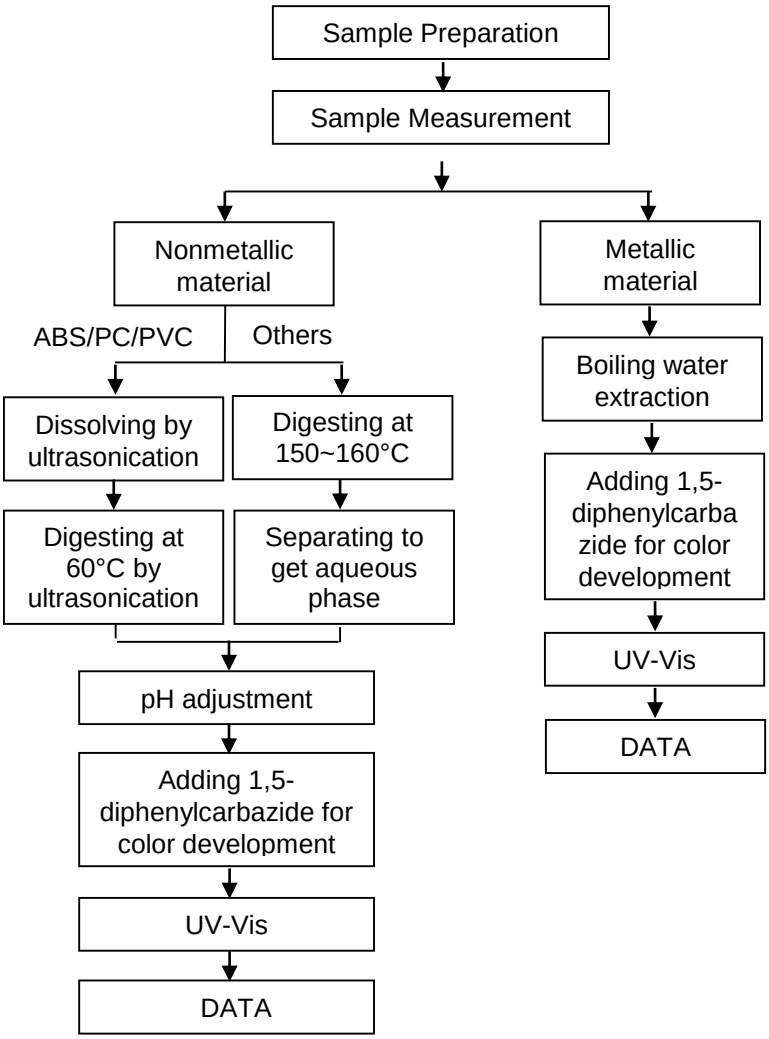
Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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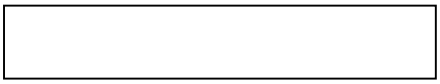
PBB/PBDE Testing Flow Chart



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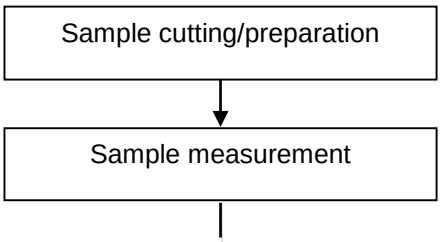
Phthalates Testing Flow Chart



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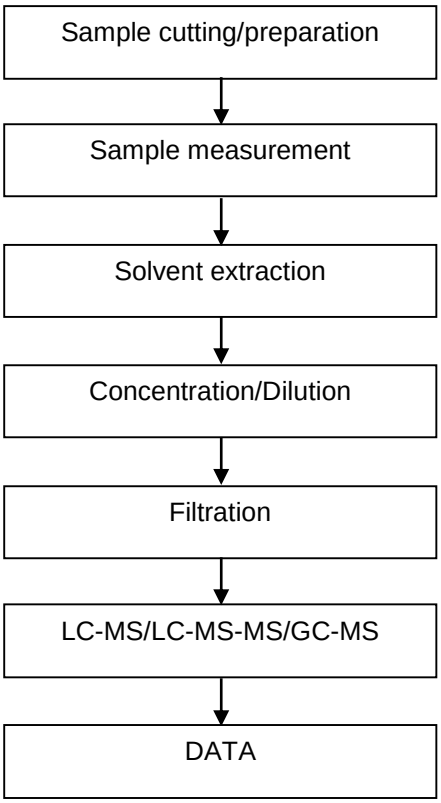
PFASs/ PFOS/PFOA Testing Flow Chart



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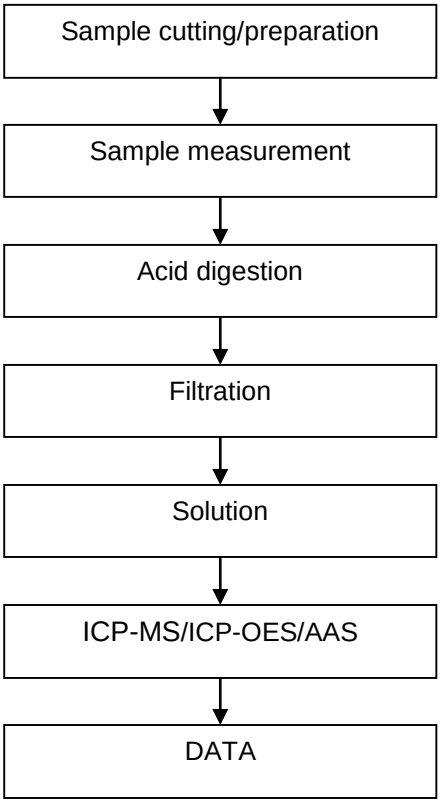
Elements Testing Flow Chart



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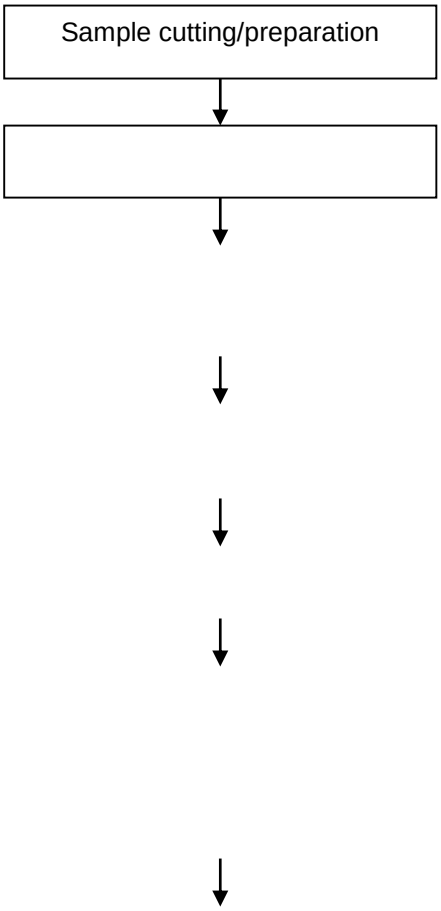
Halogen Testing Flow Chart



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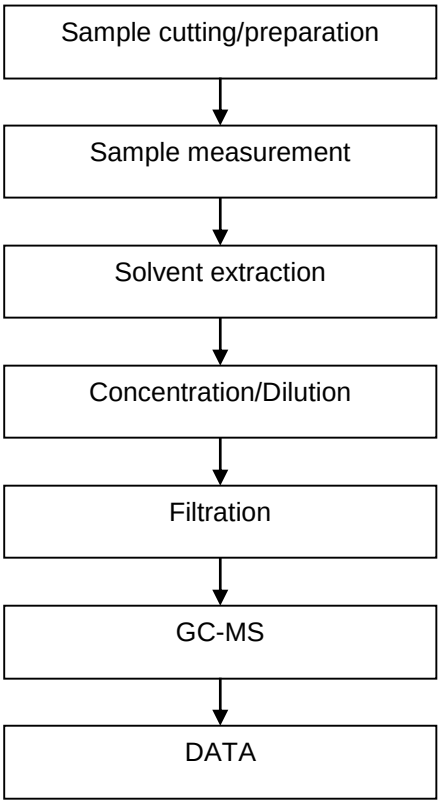
HBCDD Testing Flow Chart



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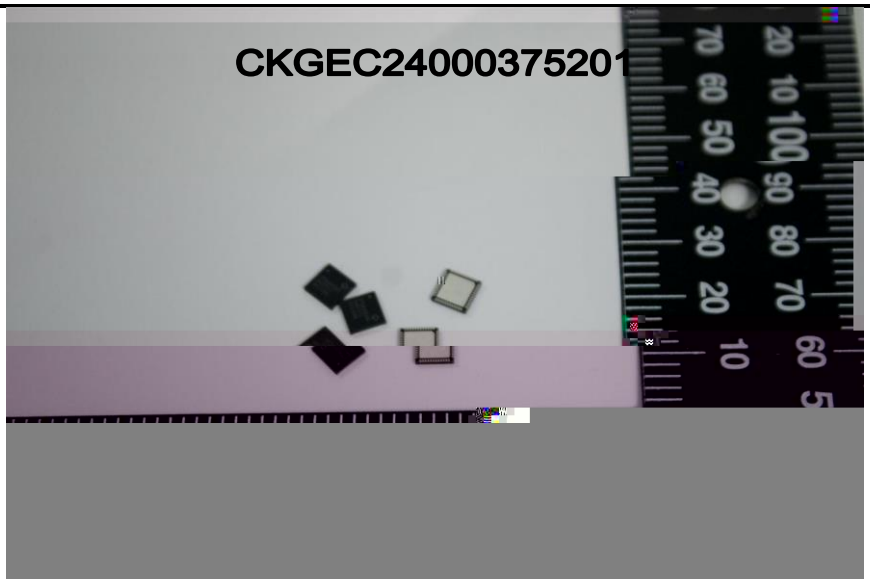
Sample Photo:



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*** End of Report ***

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