

Test Report

No.: SHAEC26011007109

Date: Apr 29, 2026

Page 1 of 5

Client Name: Jiangsu DINGS'Intelligent Control Technology Co., Ltd.

Client Address: No. 2850, Luheng Road, Changzhou Economic Development Zone, Jiangsu, China

Sample Name: Plastic protective tube

Main Substance: PE

Manufacturer: Jiangsu DINGS'Intelligent Control Technology Co., Ltd.

Supplier: DINGS'

Origin of the Product(s): China

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

SGS Job No.: TIC1020260422172333MIOA

Sample Receiving Date: Apr 23, 2026

Testing Period: Apr 23, 2026 ~ Apr 29, 2026

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

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
US Model Toxics in Packaging Legislation (TPCH – Toxics in Packaging Clearing House) – Phthalates content	Pass
US Model Toxics in Packaging Legislation (TPCH – Toxics in Packaging Clearing House) – Total Fluorine Screening for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Content	Pass
US Model Toxics in Packaging Legislation (TPCH - Toxics in Packaging Clearing House) - Total Lead, Cadmium, Mercury and Hexavalent Chromium content	Pass

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

Sue Sheng

Sue Sheng

Approved Signatory

Scan to see the report



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Page 2 of 5

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	SHA26-0110071-0001.C005	Colorless translucent soft solid

Remarks:

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

US Model Toxics in Packaging Legislation (TPCH – Toxics in Packaging Clearing House) – Phthalates content

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A5
Dibutyl Phthalate (DBP)	84-74-2	-	mg/kg	50	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	mg/kg	50	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	-	mg/kg	50	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	-	mg/kg	50	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	-	mg/kg	50	ND
Dimethyl Phthalate (DMP)	131-11-3	-	mg/kg	50	ND
Diethyl Phthalate (DEP)	84-66-2	-	mg/kg	50	ND
Dipropyl Phthalate (DPrP)	131-16-8	-	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	mg/kg	50	ND
Di-n-pentylphthalate (DnPP)	131-18-0	-	mg/kg	50	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	-	mg/kg	50	ND
Diisooctyl Phthalate (DIOP)	27554-26-3	-	mg/kg	50	ND
Bis (2-methoxyethyl) phthalate (DMEP)	117-82-8	-	mg/kg	50	ND
Diisopentyl Phthalate (DIPP)	605-50-5	-	mg/kg	50	ND
n-pentyl Isopentyl Phthalate (nPIPP)	776297-69-9	-	mg/kg	50	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	-	mg/kg	50	ND
Diallyl Phthalate(DAP)	131-17-9	-	mg/kg	50	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	-	mg/kg	50	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP)	84777-06-0	-	mg/kg	50	ND
1,2-benzenedicarboxylic acid, dihexyl ester branched and linear (DHP)	68515-50-4	-	mg/kg	50	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	-	mg/kg	50	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic	68515-51-5 /68648-93-1	-	mg/kg	50	ND



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No.: SHAEC26011007109

Date: Apr 29, 2026

Page 3 of 5

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A5
acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate					
Di(2-propylheptyl) Phthalate(DPHpP)	53306-54-0	-	mg/kg	50	ND
Butyl phthalyl butyl glycolate (BPBG)	85-70-1	-	mg/kg	50	ND
Ethyl phthalyl ethyl glycolate (EPEG)	84-72-0	-	mg/kg	50	ND
Total Phthalates	-	100	mg/kg	-	ND
Conclusion					Pass

Notes:

The TPCH defines ortho-phthalates as a class of chemical. There is no official list of ortho-phthalates from TPCH. Conclusion is made based on the tested Ortho-Phthalate substances which is agree by the client.

US Model Toxics in Packaging Legislation (TPCH – Toxics in Packaging Clearing House) – Total Fluorine Screening for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Content

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

Test Item(s)	Limit	Unit(s)	MDL	A5
Fluorine	100	mg/kg	20	ND
Conclusion				Pass

Notes:

(1) The TPCH defines Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) as a class of chemical. There is no official list of PFAS from TPCH. Conclusion is made based on the total Fluorine test which is agreed by the client.

(2) Total fluorine less than 100 mg/kg is considered as no “intentionally added” PFAS based on the guidance document of TPCH model legislation. The test result represents the total fluorine content detected that may come from organic fluorine (e.g. PFAS or other organic fluorinated compounds) and/or inorganic fluorine. In case a positive result is obtained, the test of individual PFAS is recommended to verify the PFAS substances in the test sample.

US Model Toxics in Packaging Legislation (TPCH - Toxics in Packaging Clearing House) - Total Lead, Cadmium, Mercury and Hexavalent Chromium content

Test Method: With reference to SGS in house method, analysis were performed by ICP-OES/AAS, UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A5
Cadmium(Cd)	-	mg/kg	5	ND
Lead(Pb)	-	mg/kg	5	ND
Mercury(Hg)	-	mg/kg	5	ND
Hexavalent Chromium(CrVI)	-	mg/kg	8	ND
Total (Cd+ Pb + Hg + CrVI)	100	mg/kg	-	ND
Conclusion				Pass

Notes:

(1) The TPCH legislation has been enacted by California, Connecticut, Florida, Georgia, Illinois, Iowa, Maine, Maryland, Minnesota, Missouri, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, Washington and Wisconsin.



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Page 4 of 5

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Page 5 of 5

Sample Photo:



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*** End of Report ***



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