

Test Report

No. CANEC2011755205

Date: 20 Jul 2020

Page 1 of 7

DONG GUAN UGET PLASTICS CO.,LTD

TANKENG 3RD IND ZONE HENGLI TOWN DONGGUAN CITY CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : TPU RESIN

SGS Job No. : CP20-035644 - SZ
Model No. : TPU RESIN
Main Substance : Please see remark
Date of Sample Received : 14 Jul 2020
Testing Period : 14 Jul 2020 - 20 Jul 2020
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie Li
Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center Chemical Laboratory

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Page 2 of 7

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN20-117552.001	Colorless transparent plastic grains

Remarks :

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

Phthalate

Test Method : With reference to EN14372: 2004. Analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Unit	MDL	001
Dibutyl Phthalate (DBP)	84-74-2	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	%(w/w)	0.010	ND
Dimethyl Phthalate (DMP)	131-11-3	%(w/w)	0.003	ND
Diethyl Phthalate (DEP)	84-66-2	%(w/w)	0.003	ND
Dipropyl Phthalate (DPrP)	131-16-8	%(w/w)	0.003	ND
Diisobutyl Phthalate (DIBP)	84-69-5	%(w/w)	0.003	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	%(w/w)	0.003	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	%(w/w)	0.003	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	%(w/w)	0.003	ND
Diphenyl Phthalate (DPhP)	84-62-8	%(w/w)	0.003	ND
Dibenzyl Phthalate (DBzP)	523-31-9	%(w/w)	0.003	ND
Dinonyl Phthalate (DNP)	84-76-4	%(w/w)	0.003	ND
Diisooctyl Phthalate (DIOP)	27554-26-3	%(w/w)	0.010	ND
Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	%(w/w)	0.003	ND
Diallyl Phthalate (DAP)	131-17-9	%(w/w)	0.003	ND
n-decyl, n-octyl Phthalate (nDnOP)	119-07-3	%(w/w)	0.003	ND



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Guangzhou Branch Testing Center Chemical Laboratory

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Test Report

No. CANEC2011755205

Date: 20 Jul 2020

Page 3 of 7

Test Item(s)	CAS NO.	Unit	MDL	001
Di-n-decyl Phthalate (DnDP)	84-77-5	%(w/w)	0.003	ND
Diisopentyl Phthalate (DIPP)	605-50-5	%(w/w)	0.003	ND
n-pentyl Isopentyl Phthalate (nPIPP)	776297-69-9	%(w/w)	0.003	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%(w/w)	0.010	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%(w/w)	0.010	ND
Di(2-ethylhexyl)adipate (DEHA)	103-23-1	%(w/w)	0.003	ND
Bis(4-methyl-2-pentyl) Phthalate (BMPP)	146-50-9	%(w/w)	0.003	ND
Bis(2-ethoxyethyl) Phthalate (DEEP)	605-54-9	%(w/w)	0.003	ND
Bis(2-n-butoxyethyl) Phthalate (DBEP)	117-83-9	%(w/w)	0.003	ND
Diundecyl Phthalate (DUDP)	3648-20-2	%(w/w)	0.003	ND
Diisononyl adipate (DINA)	33703-08-1	%(w/w)	0.010	ND
Ditridecyl Phthalate (DTDP)	119-06-2	%(w/w)	0.003	ND
Trioctyl trimellitate (TOTM)	3319-31-1	%(w/w)	0.003	ND
Dioctyl Terephthalate (DOTP)	6422-86-2	%(w/w)	0.003	ND
Di-n-heptyl Phthalate (DnHpP)	3648-21-3	%(w/w)	0.003	ND
Di(2-propylheptyl) Phthalate(DPHpP)	53306-54-0	%(w/w)	0.010	ND
1,2-Benzenedicarboxylic acid, dihexyl ester branched and linear(DHP)	68515-50-4	%(w/w)	0.010	ND
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear (DPP)	84777-06-0	%(w/w)	0.010	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid,mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5/68648-93-1	%(w/w)	0.010	ND
1,2-Cyclohexane dicarboxylic acid, di-isononyl ester (DINCH)	166412-78-8	%(w/w)	0.010	ND
Acetyltributylcitrate (Citroflex, ATBC)	77-90-7	%(w/w)	0.010	ND
Di-iso-hexylphthalate (DIHxP)	71850-09-4	%(w/w)	0.010	ND
Hexahydromethylphthalic anhydride,Hexahydro-4-methylphthalic anhydride,Hexahydro-1-methylphthalic anhydride,Hexahydro-3-methylphthalic anhydride (MHHPA)	☆	%(w/w)	0.010	ND

Notes :

(1) DBP,BBP,DEHP, DIBP Reference information: Entry 51 of Regulation (EU) 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006:

i) Shall not be used as substances or in mixtures, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.



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ii) Shall not be placed on the market in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material. In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material.

iii) shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of DBP, BBP, DEHP & DIBP, in concentrations equal to or greater than 0.1 % by weight of the plasticised material in the articles.

Please refer to Regulation (EU) 2018/2005 to get more detail information

(2) DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EU) 2015/326 amending Annex XVII of REACH Regulation (EC) No 1907/2006.

i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.

ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EU) 2015/326 to get more detail information

(3) ☆CAS No.of Hexahydromethylphthalic anhydride,Hexahydro-4-methylphthalic anhydride,Hexahydro-1-methylphthalic anhydride,Hexahydro-3-methylphthalic anhydride (MHHPA): 25550-51-0,19438-60-9,48122-14-1,57110-29-9



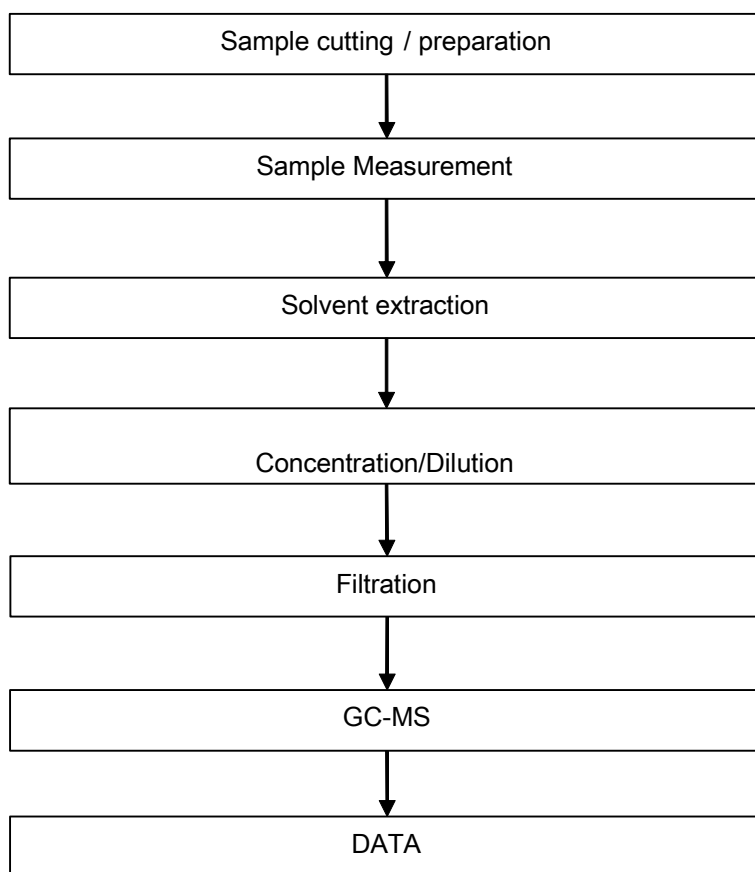
Remark

A-80A A-82A(QD8) A-83A A-85A(QD8) A-90A A-92A(QD8) A-95A(QD8) A-98A(QD8) A-55D(QD8)
A-60D(QD8) A-64D(QD8) A-71D A-72D(QD8)
AB-(4)85A(T)(U) AB-(4)92A(T)(U) AB-(4)95A(T)(U) AB-(4)98A(T)(U)
AS-(4)85A(T)(U) AS-(4)92A(T)(U) AS-(4)95A(T)(U) AS-(4)98A(T)(U)
B75AY B80AY B82AY B85AY B90AY B95AY B98AY B60DY B64DY B71DY
C(0)-80A(H)(U) C(0)-85A(H)(U) C(0)-90A(H)(U) C(0)-95A(H)(U) C(0)-98A(H)(U) C(0)-60D(H)(U)
C(0)-64D(H)(U) C(0)-71D(H)(U)
E-(2)75A E-(2)(4)80A E-(2)(4)85A E-(2)(4)90A E-(2)(4)95A E-(2)(4)98A E-(2)(4)60D E-(2)(4)64D
EW-80A(P)(F) EW-85A(P)(F) EW-90A(P)(F) EW-95A(P)(F) EW-98A (P)(F)
V-80A(P)(SR) V-85A(P)(SR) V-90A(P)(SR) V-95A(P)(SR) V-60D(P)(SR) V-64D(P)(SR) V-72D(P)(SR)
G-180A G-185A G-190A G-160D G-164D G-171D G-174D
G-80A(U) G-85A(U)(X) G-92A(U)(X) G-95A(U)(X) G-98A(U)(X) G-60D(U)(X) G-64D(U)(X) G-71D(U)
I-60A(U) I-65A(U) I(S)-70A(U) I(S)-75A(U) I(S)-80A(U) I-85A(U) I-90A(U) I-95A(U)
T-1285A(U)(X) T-1290A(U)(X) T-1292A(U)(X) T-1295A(U)(X) T-1298A(U)(X)
T-280A(U)(S) T-285A(U)(S) T-290A(U)(S) T-295A(U)(S) T-298A(U)(S) T-260D(U)(S) T-264D(U)(S)
T-480A(U)(S) T(D)-485A(U)(S)(X) T(D)-490A(U)(S)(X) T(D)-495A(U)(S)(X) T(D)-498A(U)(S)(X)
T-460D(U)(S)(X) T-464D(U)(S) T-471D(U)(S)
T-680A(U)(S) T-685A(U)(S)(X) T-690A(U)(S)(X) T-695A(U)(S)(X) T-698A(U)(S)(X) T-660D(U)(S)(X)
T-664D(U)(S) T-671D(U)(S) T-895A(U)(S)
P-75A(U) P-80A(U) P-85A(U) P-90A(U) P-92A(U) P-95A(U) P-98A(U) P-60D(U) P-64D(U) P-71D(U)



ATTACHMENTS

Phthalates Testing Flow Chart



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No. CANEC2011755205

Date: 20 Jul 2020

Page 7 of 7

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

