

PENN ELCOM DATASHEET

PCT TEST REPORT

Remarks:

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

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.:

Test Method :. With reference to IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC62321-7-2:2017and IEC 62321-6:2015, analyzed by ICP-OES, UV-Vis and GC-MS.

Test Items	Limit	Unit	MDL	006
Cadmium (Cd).	100	mg/kg.	2	ND
Lead (Pb).	1000	mg/kg.	2	ND
Mercury (Hg).	1000	mg/kg.	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg.	8	ND
Sum of PBBs.	1000	mg/kg.	-	ND
Monobromobiphenyl	-	mg/kg.	5	ND
Dibromobiphenyl	-	mg/kg.	5	ND
Tribromobiphenyl	-	mg/kg.	5	ND
Tetrabromobiphenyl	-	mg/kg.	5	ND
Pentabromobiphenyl	-	mg/kg.	5	ND
Hexabromobiphenyl	-	mg/kg.	5	ND
Heptabromobiphenyl	-	mg/kg.	5	ND
Octabromobiphenyl	-	mg/kg.	5	ND
Nonabromobiphenyl	-	mg/kg.	5	ND
Decabromobiphenyl	-	mg/kg.	5	ND
Sum of PBDEs	1000	mg/kg.	-	ND
Monobromodiphenyl ether	-	mg/kg.	5	ND
Dibromodiphenyl ether	-	mg/kg.	5	ND
Tribromodiphenyl ether	-	mg/kg.	5	ND
Tetrabromodiphenyl ether	-	mg/kg.	5	ND
Pentabromodiphenyl ether	-	mg/kg.	5	ND
Hexabromodiphenyl ether	-	mg/kg.	5	ND



SGS-CSTC Inspection & Testing Services Co., Ltd.
Ningbo Branch Chemical Laboratory

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Test Items	Limit	Unit	MDL	006
Heptabromodiphenyl ether.	-	mg/kg.	5	ND
Octabromodiphenyl ether	-	mg/kg.	5	ND
Nonabromodiphenyl ether	-	mg/kg.	5	ND
Decabromodiphenyl ether	-	mg/kg.	5	ND

Notes:

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(2) On 4 June 2015, Commission Directive (EU) 2015/863 was published in the Official Journal of the European Union (OJEU) to include the phthalates BBP, DBP, DEHP and DIBP into ANNEX II of the Rohs Recast Directive. The new law restricts each phthalate to no more than 0.1% in each homogeneous material of an electrical product.

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

(4) The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019, and of medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, placed on the market before 22 July 2021.

(5) The restriction of DEHP, BBP and DBP shall not apply to toys which are already subject to the restriction of DEHP, BBP and DBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.



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