

A239

CARD PVC

RoHS

Description

PVC Card base material

Conclusion

Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC. .

Test report

Test part description:

Specimen no.	Sample ID	Description
1	SHA-11-177715.003	White soft solid sheet

Remarks

- (1) 1 mg/kg = 1 ppm = 0,0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not detected (< MDL)
- (4) "-" = Not regulated

RoHS Directive 2011/65/EU

Test Method:. With reference to IEC 62321:2008
 (1) Determination of Cadmium by ICP-OES.
 (2) Determination of Lead by ICP-OES.
 (3) Determination of Mercury by ICP-OES.
 (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
 (5) Determination of PBBs / PBDEs content by GC-MS. .

Test item(s)	Limit	Unit	MDL	003
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	ND
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1,000	mg/kg	2	ND
Sum of PBBs	1,000	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
Octabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	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
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 directive 2011/65/EU, Annex II

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