

Test Report

Testing institute : Product Technology Service (Ningbo) Co., Ltd.
5-7F, 59#, Huayu Road,
Yinzhou District, Ningbo 315192 P.R.China

Applicant : Shandong Housewares Manufacturing Co., Ltd

Product name : DISPOSABLE CPE GOWNS (NON-MEDICAL)

Model/Type : /

Sample Description : LVL 4 CPE

Material : CPE

Sample receive date : Apr.09,2020
Completes date : Apr.13,2020

Testing location : Product Technology Service (Ningbo) Co., Ltd.

Test specification(s)
EC Directive 2011/65/EU and Amending Directive (EU)2015/863 —The Restriction of the
Use of Certain Hazardous Substances in Electrical and Electronic Equipment—— (RoHS)

Conclusion
Pass

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Ningbo, Apr 13, 2020

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Report No.

Test specification : EC Directive 2011/65/EU and Amending Directive (EU)2015/863 —The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — (RoHS)

Test method : IEC 62321-5: 2013 Determination of Lead and Cadmium by ICP-OES
 IEC 62321-4: 2013 Determination of Mercury by ICP-OES
 IEC 62321-7-2:2017 Determination of ChromiumVI (CrVI) by UV-Vis
 IEC 62321-6: 2015 Determination of PBBs/ PBDEs by GC-MS
 IEC 62321-8: 2017 Determination of DEHP,DBP,BBP,DIBP by GC-MS

Requirement : 2011/65/EU and Amending Directive (EU)2015/863

Product name: DISPOSABLE CPE GOWNS (NON-MEDICAL)					
Parameter:	Unit	Detection Limit	Result	Limit	Conclusion
Lead (Pb)	mg/kg	10.0	ND	1000	Pass
Cadmium (Cd)	mg/kg	10.0	ND	100	Pass
Mercury (Hg)	mg/kg	10.0	ND	1000	Pass
Chromium VI (Cr VI)	mg/kg	10.0	ND	1000	Pass
Polybrominated Biphenyls (PBBs)					
1. Monobromobiphenyls	mg/kg	10.0	ND	--	--
2. Dibromobiphenyls	mg/kg	10.0	ND	--	--
3. Tribromobiphenyls	mg/kg	10.0	ND	--	--
4. Tetrabromobiphenyls	mg/kg	10.0	ND	--	--
5. Pentabromobiphenyls	mg/kg	10.0	ND	--	--
6. Hexabromobiphenyls	mg/kg	10.0	ND	--	--
7. Heptabromobiphenyls	mg/kg	10.0	ND	--	--
8. Octabromobiphenyls	mg/kg	10.0	ND	--	--
9. Nonabromobiphenyls	mg/kg	10.0	ND	--	--
10. Decabromobiphenyl	mg/kg	10.0	ND	--	--
Group PBBs	mg/kg	--	ND	1000	Pass
Polybrominated Diphenyl Ethers (PBDEs)					
1. Monobromodiphenyl ethers	mg/kg	10.0	ND	--	--
2. Dibromodiphenyl ethers	mg/kg	10.0	ND	--	--
3. Tribromodiphenyl ethers	mg/kg	10.0	ND	--	--
4. Tetrabromodiphenyl ethers	mg/kg	10.0	ND	--	--
5. Pentabromodiphenyl ethers	mg/kg	10.0	ND	--	--
6. Hexabromodiphenyl ethers	mg/kg	10.0	ND	--	--
7. Heptabromodiphenyl ethers	mg/kg	10.0	ND	--	--
8. Octabromodiphenyl ethers	mg/kg	10.0	ND	--	--
9. Nonabromodiphenyl ethers	mg/kg	10.0	ND	--	--
10. Decabromodiphenyl ether	mg/kg	10.0	ND	--	--
Group PBDEs	mg/kg	--	ND	1000	Pass
Bis-(2-ethylhexyl) phthalate(DEHP)	%	0.005	ND	0.1	Pass
Dibutyl phthalate(DBP)	%	0.005	ND	0.1	Pass
Benzylbutyl phthalate(BBP)	%	0.005	ND	0.1	Pass
Diisobutyl phthalate(DIBP)	%	0.005	ND	0.1	Pass

Remark:

ND = Not Detected(< Detection Limit)

"--" =Not Regulated

Main test instruments used for this method:

Parameter	Instrument	Manufactory	Model / Type
Pb & Cd& Hg	ICP-OES	PerkinElmer	Optima 5300 DV
Cr VI	UV-Vis	LabTech	BlueStar plus
PBBs & PBDEs	GC-MS	Agilent Technologies	GC (6890)-MS (5975)
DEHP&BBP&DBP&DIBP	GC-MS	Agilent Technologies	GC (7890)-MS (5975)

Sample photo(s), see annex1

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ANNEX 1

Sample photo(s), consists of 1 page



DISPOSABLE CPE GOWNS (NON-MEDICAL)