

TEST REPORT

TEST REPORT NUMBER : TURR130040521_REVISI01 DATE: 15 April, 2013

APPLICANT: Canovate Elektronik Endüstri Ticaret A.Ş.

ADDRESS: Eksiöğlü Mah. Atabey Cad. No: 12 Çekmeköy/İstanbul TR 34794
Fax : 0216 429 02 02
Attention : Meltem Bayraktar (meltem.bayraktar@canovate.com)

SAMPLE DESCRIPTION : One sample of 19" Cabinet

DATE IN : 19 /March /2013 (09:14)

DATE OUT : 25 /March /2013, 15 /April /2013

MANUFACTURER'S NAME : NOT GIVEN

COUNTRY OF ORIGIN : TURKEY


REQUEST : RoHS Test was performed according to 2011/65/EU Directive.

RESULTS : SEE ATTACHMENT

CONCLUSION : SEE ATTACHMENT

NOTE : In this test report sample test results were taken from report no TURR130050416 by the request of vendor. This report replaced the report no TURR130040521 dated on 25 March, 2013 and must be used instead of it.

The test results relate only to the items tested. The whole and/or the part of this test report shall not be reproduced and shall not be shared with third parties, nor to be used for PR activities without the written permission of INTERTEK Test Hizmetleri A.Ş. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 and UKAS accreditation requirements. Unless otherwise is specified, all Pass or Fail results are given without uncertainty considered. When uncertainty is taken into account, the result may be borderline. Borderline results need to be re-tested to determine their disposition up to customer's decision. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. Tests marked (*) in this test report are not included in the UKAS accreditation schedule for this laboratory.


P.P. Tolpa KÖÇÜKARAĞAÇ
Bora Şirinbilek
Coordinator


Neslihan Sözer
Chemical Laboratory Manager



PARTS	DESCRIPTION	CONCLUSION
1	SILVER BAR	PASS
2	METAL NUT	PASS
3	LABEL	PASS
4	METAL MAIN BODY	PASS
5	ALUMINIUM BOX	PASS
6	BLACK HINGE	PASS
7	CASTING TAPE	PASS
8	METAL SCREW	PASS
9	METAL STOPPER	PASS
10	BLACK PLASTIC ITEM	PASS
11	KEY BODY	PASS
12	SMALL SCREW	PASS



(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321 : 2008
Electrotechnical Products-Determination of Levels of Six Regulated Substances

TESTING ITEM	RESULT		
	Part 1	Part 2	Part 3
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content (ppm) (for non metal)	NA	NA	ND
Chromium VI (Cr+6) Content (µg/cm²) (for metal)	ND	ND	NA
Chromium VI (Cr+6) Result (By spot test on metal)	NEGATIVE	NEGATIVE	NA
Lead (Pb) Content	ND	ND	ND
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	NA	NA	ND
Monobromobiphenyl (MonoBB)	NA	NA	ND
Dibromobiphenyl (DiBB)	NA	NA	ND
Tribromobiphenyl (TriBB)	NA	NA	ND
Tetrabromobiphenyl (TetraBB)	NA	NA	ND
Pentabromobiphenyl (PentaBB)	NA	NA	ND
Hexabromobiphenyl (HexaBB)	NA	NA	ND
Heptabromobiphenyl (HeptaBB)	NA	NA	ND
Octabromobiphenyl (OctaBB)	NA	NA	ND
Nonabromobiphenyl (NonaBB)	NA	NA	ND
Decabromobiphenyl (DecaBB)	NA	NA	ND
Polybrominated Diphenyl Ethers (PBDE)	NA	NA	ND
Monobromodiphenyl Ether (MonoBDE)	NA	NA	ND
Dibromodiphenyl Ether (DiBDE)	NA	NA	ND
Tribromodiphenyl Ether (TriBDE)	NA	NA	ND
Tetrabromodiphenyl Ether (TetraBDE)	NA	NA	ND
Pentabromodiphenyl Ether (PentaBDE)	NA	NA	ND
Hexabromodiphenyl Ether (HexaBDE)	NA	NA	ND
Heptabromodiphenyl Ether (HeptaBDE)	NA	NA	ND
Octabromodiphenyl Ether (OctaBDE)	NA	NA	ND
Nonabromodiphenyl Ether (NonaBDE)	NA	NA	ND
Decabromodiphenyl Ether (DecaBDE)	NA	NA	ND

Remarks : ppm=Parts per million based on dry weight of sample
 µg/cm²=Microgram per square centimetre
 mg/kg with 50 cm²=Milligram per kilogram with 50 square centimetre
 ND =Not detected NA =Not applicable NR =Not requested



(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321 : 2008
Electrotechnical Products-Determination of Levels of Six Regulated Substances

TESTING ITEM	RESULT		
	Sample		
	Part 4	Part 5	Part 6
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content (ppm) (for non metal)	NA	NA	NA
Chromium VI (Cr+6) Content (µg/cm ²) (for metal)	ND	ND	ND
Chromium VI (Cr+6) Result (By spot test on metal)	NEGATIVE	NEGATIVE	NEGATIVE
Lead (Pb) Content	ND	ND	96 ppm
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	NA	NA	NA
Monobromobiphenyl (MonoBB)	NA	NA	NA
Dibromobiphenyl (DiBB)	NA	NA	NA
Tribromobiphenyl (TriBB)	NA	NA	NA
Tetrabromobiphenyl (TetraBB)	NA	NA	NA
Pentabromobiphenyl (PentaBB)	NA	NA	NA
Hexabromobiphenyl (HexaBB)	NA	NA	NA
Heptabromobiphenyl (HeptaBB)	NA	NA	NA
Octabromobiphenyl (OctaBB)	NA	NA	NA
Nonabromobiphenyl (NonaBB)	NA	NA	NA
Decabromobiphenyl (DecaBB)	NA	NA	NA
Polybrominated Diphenyl Ethers (PBDE)	NA	NA	NA
Monobromodiphenyl Ether (MonoBDE)	NA	NA	NA
Dibromodiphenyl Ether (DiBDE)	NA	NA	NA
Tribromodiphenyl Ether (TriBDE)	NA	NA	NA
Tetrabromodiphenyl Ether (TetraBDE)	NA	NA	NA
Pentabromodiphenyl Ether (PentaBDE)	NA	NA	NA
Hexabromodiphenyl Ether (HexaBDE)	NA	NA	NA
Heptabromodiphenyl Ether (HeptaBDE)	NA	NA	NA
Octabromodiphenyl Ether (OctaBDE)	NA	NA	NA
Nonabromodiphenyl Ether (NonaBDE)	NA	NA	NA
Decabromodiphenyl Ether (DecaBDE)	NA	NA	NA

Remarks : ppm=Parts per million based on dry weight of sample
 µg/cm²=Microgram per square centimetre
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(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321 : 2008
Electrotechnical Products-Determination of Levels of Six Regulated Substances

TESTING ITEM	RESULT		
	Sample		
	Part 7	Part 8	Part 9
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content (ppm) (for non metal)	NA	NA	NA
Chromium VI (Cr+6) Content (µg/cm ²) (for metal)	ND	ND	ND
Chromium VI (Cr+6) Result (By spot test on metal)	NEGATIVE	NEGATIVE	NEGATIVE
Lead (Pb) Content	240 ppm	ND	ND
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	NA	NA	NA
Monobromobiphenyl (MonoBB)	NA	NA	NA
Dibromobiphenyl (DiBB)	NA	NA	NA
Tribromobiphenyl (TriBB)	NA	NA	NA
Tetrabromobiphenyl (TetraBB)	NA	NA	NA
Pentabromobiphenyl (PentaBB)	NA	NA	NA
Hexabromobiphenyl (HexaBB)	NA	NA	NA
Heptabromobiphenyl (HeptaBB)	NA	NA	NA
Octabromobiphenyl (OctaBB)	NA	NA	NA
Nonabromobiphenyl (NonaBB)	NA	NA	NA
Decabromobiphenyl (DecaBB)	NA	NA	NA
Polybrominated Diphenyl Ethers (PBDE)	NA	NA	NA
Monobromodiphenyl Ether (MonoBDE)	NA	NA	NA
Dibromodiphenyl Ether (DiBDE)	NA	NA	NA
Tribromodiphenyl Ether (TriBDE)	NA	NA	NA
Tetrabromodiphenyl Ether (TetraBDE)	NA	NA	NA
Pentabromodiphenyl Ether (PentaBDE)	NA	NA	NA
Hexabromodiphenyl Ether (HexaBDE)	NA	NA	NA
Heptabromodiphenyl Ether (HeptaBDE)	NA	NA	NA
Octabromodiphenyl Ether (OctaBDE)	NA	NA	NA
Nonabromodiphenyl Ether (NonaBDE)	NA	NA	NA
Decabromodiphenyl Ether (DecaBDE)	NA	NA	NA

Remarks : ppm=Parts per million based on dry weight of sample
 µg/cm²=Microgram per square centimetre
 mg/kg with 50 cm²=Milligram per kilogram with 50 square centimetre
 ND=Not detected NA=Not applicable NR=Not requested



(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321 : 2008
Electrotechnical Products-Determination of Levels of Six Regulated Substances

TESTING ITEM	RESULT		
	Sample		
	Part 10	Part 11	Part 12
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content (ppm) (for non metal)	ND	NA	NA
Chromium VI (Cr+6) Content (µg/cm ²) (for metal)	NA	ND	ND
Chromium VI (Cr+6) Result (By spot test on metal)	NA	NEGATIVE	NEGATIVE
Lead (Pb) Content	ND	ND	ND
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	ND	NA	NA
Monobromobiphenyl (MonoBB)	ND	NA	NA
Dibromobiphenyl (DiBB)	ND	NA	NA
Tribromobiphenyl (TriBB)	ND	NA	NA
Tetrabromobiphenyl (TetraBB)	ND	NA	NA
Pentabromobiphenyl (PentaBB)	ND	NA	NA
Hexabromobiphenyl (HexaBB)	ND	NA	NA
Heptabromobiphenyl (HeptaBB)	ND	NA	NA
Octabromobiphenyl (OctaBB)	ND	NA	NA
Nonabromobiphenyl (NonaBB)	ND	NA	NA
Decabromobiphenyl (DecaBB)	ND	NA	NA
Polybrominated Diphenyl Ethers (PBDE)	ND	NA	NA
Monobromodiphenyl Ether (MonoBDE)	ND	NA	NA
Dibromodiphenyl Ether (DiBDE)	ND	NA	NA
Tribromodiphenyl Ether (TriBDE)	ND	NA	NA
Tetrabromodiphenyl Ether (TetraBDE)	ND	NA	NA
Pentabromodiphenyl Ether (PentaBDE)	ND	NA	NA
Hexabromodiphenyl Ether (HexaBDE)	ND	NA	NA
Heptabromodiphenyl Ether (HeptaBDE)	ND	NA	NA
Octabromodiphenyl Ether (OctaBDE)	ND	NA	NA
Nonabromodiphenyl Ether (NonaBDE)	ND	NA	NA
Decabromodiphenyl Ether (DecaBDE)	ND	NA	NA

Remarks : ppm=Parts per million based on dry weight of sample
 µg/cm²=Microgram per square centimetre
 mg/kg with 50 cm²=Milligram per kilogram with 50 square centimetre
 ND =Not detected NA =Not applicable NR =Not requested



(B) REQUIREMENT :

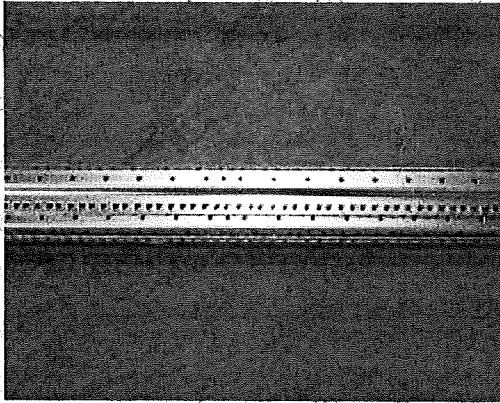
SUBSTANCE	LIMITS
Cadmium (Cd) Content	0.01 % (100 ppm)
Chromium VI (Cr+6) Content (ppm) (for non metal)	0.1 % (1000 ppm)
Chromium VI (Cr+6) Content (µg/cm ²) (for metal)	
Chromium VI (Cr+6) Result (By spot test on metal)	NEGATIVE
Lead (Pb) Content	0.1 % (1000 ppm)
Mercury (Hg) Content	0.1 % (1000 ppm)
Flame Retardants	0.1 % (1000 ppm)

(C) TEST METHOD :

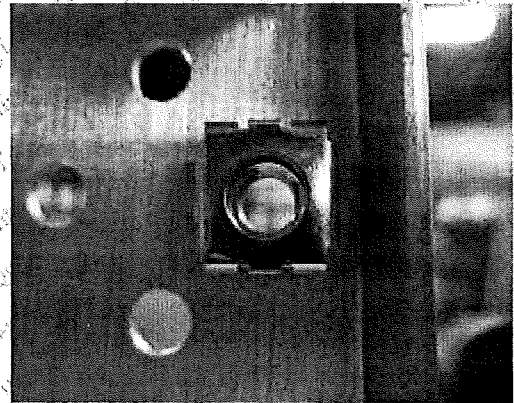
Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321:2008, by acid digestion and determined by ICP-OES	2 ppm
Lead (Pb) Content	With reference to IEC 62321:2008, by acid digestion and determined by ICP-OES	2 ppm
Mercury (Hg) Content	With reference to IEC 62321:2008, by acid digestion and determined by ICP-OES	2 ppm
Chromium VI (Cr6+) (For non-metal)	With reference to IEC 62321:2008, by alkaline digestion and determined by UV-VIS spectrophotometer	1 ppm
Chromium VI (Cr6+) (For metal)	With reference to IEC 62321:2008, by SPOT TEST	1 ppm (IN TESTING SOLUTION)
Chromium VI (Cr6+) (For metal)	With reference to IEC 62321:2008, by boiling water extraction and determined by UV-VIS spectrophotometer	0.02 mg/kg with 50 cm ² (IN TESTING SOLUTION)
PBBs/PBDEs	With reference to IEC 62321:2008, by solvent extraction and determined by GC/MS and HPLC	5 ppm



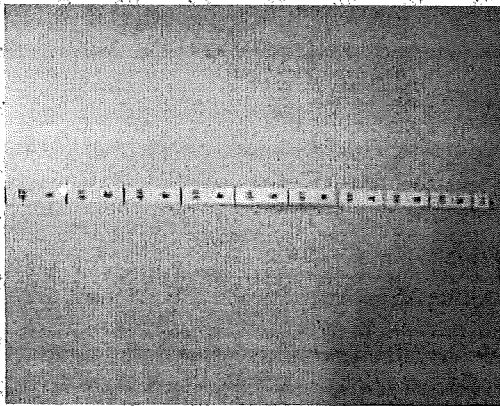
Part 1



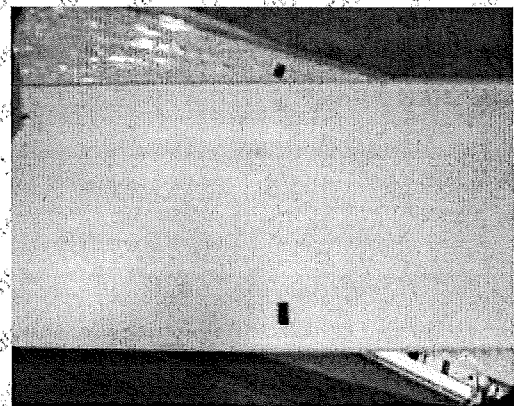
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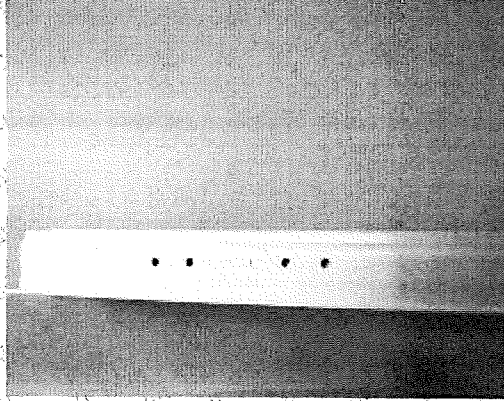
Part 3



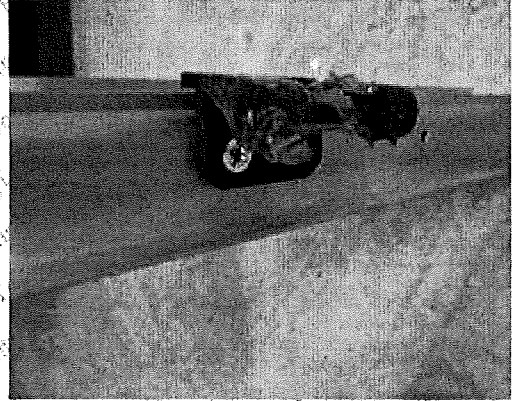
Part 4



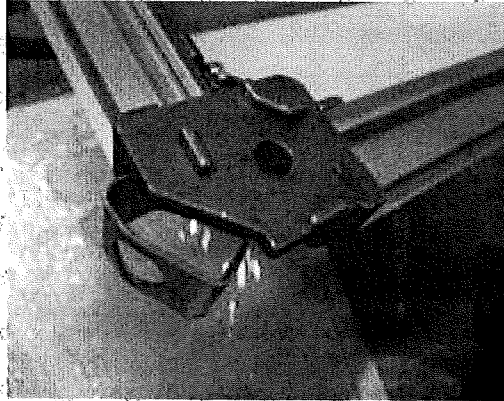
Part 5



Part 6



Part 7



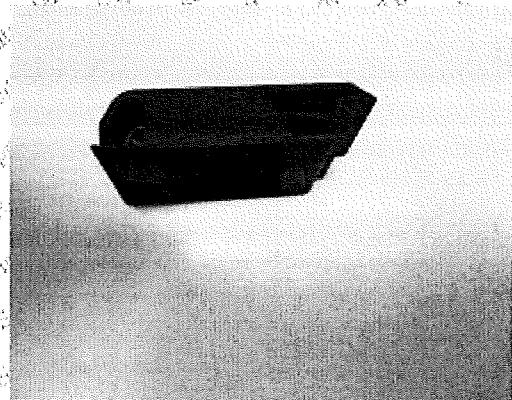
Part 8



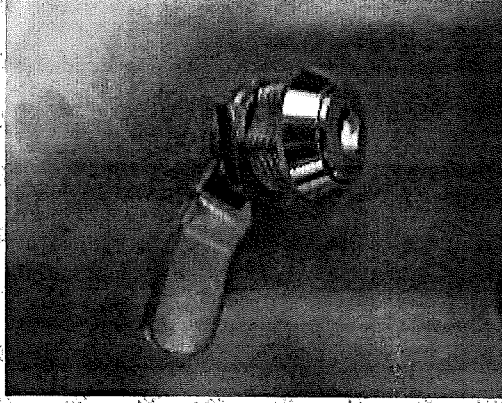
Part 9



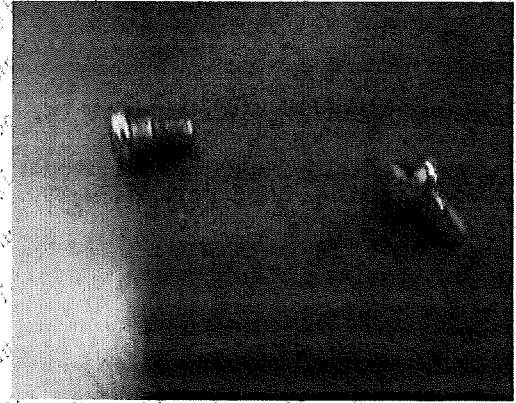
Part 10



Part 11



Part 12



END OF TEST REPORT

