

TEST REPORT

REPORT NUMBER : TURR110047746

APPLICANT NAME KAS Uluslararası Ser.Göz ve Tekn.Kon.Hiz.Ltd.Şti

ADDRESS Fatih Cd. No.68 D:20 Bornova İzmir TÜRKİYE
FAX NO :0232 435 61 20
Attention :Emir Kuşgöz (emir.kusgoz@kascert.com)

SAMPLE DESCRIPTION : One sample of 0,6 - 1 KV Cable

DATE IN : 17 May, 2011

DATE OUT : 24 May, 2011

MANUFACTURER'S NAME : OZNUR KABLO SANAYI VE TICARET A.Ş.

PRODUCT'S CODE : See Attachment

REQUEST : RoHS Test was performed on the item.

RESULTS : See attachment

CONCLUSION :

Testing Item	Conclusion
Sample	PASS

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.S.

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.



Bora Şirinbilek
Coordinator



Neslihan Sözer
Chemical Laboratory Manager



2111

Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY
Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55
e-mail : labtest.turkey@intertek.com
www.intertek-cq-tur.com



110047746

PRODUCT'S CODE
H05V-K
H05V-U
H07V-U
H07V-R
H07V-K
H05VV-F
NYM
NYY
NYFGBY
NYRY
NYCY
N2XY
N2XFGBY
N2XRGBY
N2XCY
N2XRY
N2XH
N2XH FE-180
NHXHX FE-180
N2XCH
N2XRH
N2XFGBH
NHXMH
NHMH
H05Z1Z1-F
H05Z1-K
H07Z1-K
H07Z1-U
H07Z1-R
ÖRGÜLÜ SERT BAKIR İLETKEN



2111

Intertek Test Hizmetleri A.S.

Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY

Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55

e-mail : labtest.turkey@intertek.com

www.intertek-cq-tur.com

PARTS	DESCRIPTION	CONCLUSION
	Sample	
1	ISOLATION BLACK	PASS
2	ISOLATION WHITE	PASS
3	BLUE CABLE	PASS
4	GREY CABLE	PASS
5	BLACK CABLE	PASS
6	BROWN CABLE	PASS
7	WIRE	PASS



(A) Test Method Summary

Testing Item	Result				RoHS Limit (ppm)
	Part 1	Part 2	Part 3	Part 4	
Cadmium (Cd) Content	ND	ND	ND	ND	0.01 % (100 ppm)
Chromium VI (Cr+6) Content (ppm) (for non - metal)	ND	ND	ND	ND	0.1 % (1000 ppm)
Chromium VI (Cr+6) Content (µg/cm²) (for metal)	NA	NA	NA	NA	
Chromium VI (Cr+6) Result (By spot test on metal)	NA	NA	NA	NA	NEGATIVE
Lead (Pb) Content	ND	ND	ND	ND	0.1 % (1000 ppm)
Mercury (Hg) Content	ND	ND	ND	ND	0.1 % (1000 ppm)
Flame Retardants					0.1 % (1000 ppm)
Polybrominated Biphenyls (PBB)	ND	ND	ND	ND	
Monobromobiphenyl (MonoBB)	ND	ND	ND	ND	
Dibromobiphenyl (DiBB)	ND	ND	ND	ND	
Tribromobiphenyl (TriBB)	ND	ND	ND	ND	
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	ND	
Pentabromobiphenyl (PentaBB)	ND	ND	ND	ND	
Hexabromobiphenyl (HexaBB)	ND	ND	ND	ND	
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	ND	
Octabromobiphenyl (OctaBB)	ND	ND	ND	ND	
Nonabromobiphenyl (NonaBB)	ND	ND	ND	ND	
Decabromobiphenyl (DecaBB)	ND	ND	ND	ND	
Polybrominated Diphenyl Ethers (PBDE)	ND	ND	ND	ND	
Monobromodiphenyl Ether (MonoBDE)	ND	ND	ND	ND	
Dibromodiphenyl Ether (DiBDE)	ND	ND	ND	ND	
Tribromodiphenyl Ether (TriBDE)	ND	ND	ND	ND	
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	ND	ND	
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	ND	ND	
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	ND	ND	
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	ND	ND	
Octabromodiphenyl Ether (OctaBDE)	ND	ND	ND	ND	
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	ND	ND	
Decabromodiphenyl Ether (DecaBDE)	ND	ND	ND	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
 <=Less than
 ND =Not detected NA =Not applicable NR =Not requested

(B) 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 cm² (IN TESTING SOLUTION)
PBBs/PBDEs	With reference to IEC 62321:2008,by solvent extraction and determined by GC/MS and HPLC	5 ppm

NOTE : The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.



(A) Test Method Summary

Testing Item	Result			RoHS Limit (ppm)
	Part 5	Part 6	Part 7	
Cadmium (Cd) Content	ND	ND	ND	0.01 % (100 ppm)
Chromium VI (Cr+6) Content (ppm) (for non - metal)	ND	ND	NA	0.1 % (1000 ppm)
Chromium VI (Cr+6) Content (µg/cm²) (for metal)	NA	NA	ND	
Chromium VI (Cr+6) Result (By spot test on metal)	NA	NA	NEGATIVE	NEGATIVE
Lead (Pb) Content	ND	ND	ND	0.1 % (1000 ppm)
Mercury (Hg) Content	ND	ND	ND	0.1 % (1000 ppm)
Flame Retardants				0.1 % (1000 ppm)
Polybrominated Biphenyls (PBB)	ND	ND	NA	
Monobromobiphenyl (MonoBB)	ND	ND	NA	
Dibromobiphenyl (DiBB)	ND	ND	NA	
Tribromobiphenyl (TriBB)	ND	ND	NA	
Tetrabromobiphenyl (TetraBB)	ND	ND	NA	
Pentabromobiphenyl (PentaBB)	ND	ND	NA	
Hexabromobiphenyl (HexaBB)	ND	ND	NA	
Heptabromobiphenyl (HeptaBB)	ND	ND	NA	
Octabromobiphenyl (OctaBB)	ND	ND	NA	
Nonabromobiphenyl (NonaBB)	ND	ND	NA	
Decabromobiphenyl (DecaBB)	ND	ND	NA	
Polybrominated Diphenyl Ethers (PBDE)	ND	ND	NA	
Monobromodiphenyl Ether (MonoBDE)	ND	ND	NA	
Dibromodiphenyl Ether (DiBDE)	ND	ND	NA	
Tribromodiphenyl Ether (TriBDE)	ND	ND	NA	
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	NA	
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	NA	
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	NA	
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	NA	
Octabromodiphenyl Ether (OctaBDE)	ND	ND	NA	
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	NA	
Decabromodiphenyl Ether (DecaBDE)	ND	ND	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
<=Less than
ND =Not detected NA =Not applicable NR =Not requested

(B) 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 cm² (IN TESTING SOLUTION)
PBBs/PBDEs	With reference to IEC 62321:2008,by solvent extraction and determined by GC/MS and HPLC	5 ppm

NOTE :
The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.



2111

Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY
Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55
e-mail : labtest.turkey@intertek.com
www.intertek-cq-tur.com



Part 1

Part 2



Part 3



Part 4



Part 5



Part 6



Part 7



END OF TEST REPORT



2111

Intertek Test Hizmetleri A.S.

Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY

Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55

e-mail : labtest.turkey@intertek.com

www.intertek-cq-tur.com