

22 February, 2007

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**Yapıtış Yapı San. ve Tic. A.Ş.**  
Ortaklar Cad. No:49/2

Mecidiyeköy / İstanbul  
FAX NO :0282 758 20 76  
For the attention of **Ali Altunbaş (info@yapitaskablo.com)**

**REPORT NUMBER : 499992**

**DESCRIPTION :**  
Sample 1: One sample of Orange Teflon isolated cable jacket  
Sample 2: One sample of Brown Teflon isolated cable jacket  
Sample 3: One sample of Black Teflon isolated cable jacket

**DATE IN :** 20 February, 2007

**DATE OUT :** 22 February, 2007

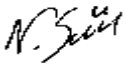
**REQUEST :** RoHS Test was performed on the items.

**RESULTS :** See attachment

**CONCLUSION :**

| Testing Item | Conclusion | Failed item          |
|--------------|------------|----------------------|
| Sample 1     | PASS       |                      |
| Sample 2     | FAIL       | Cadmium Content (Cd) |
| Sample 3     | PASS       |                      |

The test results relate only to the items tested. The report shall not be reproduced except in full, without the written approval of the laboratory. 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.



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**Intertek Test Hizmetleri A.S.**

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**(A) Test Method Summary :**

| Testing Item                                       | Result    |           |           | RoHS Limit (ppm)        |
|--|-----------|-----------|-----------|-------------------------|
|  | Sample 1  | Sample 2  | Sample 3  |                         |
| Cadmium (Cd) Content                               | ND        | 175 ppm   | ND        | <b>0.01 % (100 ppm)</b> |
| Chromium VI (Cr+6) Content (ppm) (for non - metal) | ND        | ND        | ND        | <b>0.1 % (1000 ppm)</b> |
| Lead (Pb) Content                                  | ND        | ND        | ND        | <b>0.1 % (1000 ppm)</b> |
| Mercury (Hg) Content                               | ND        | ND        | ND        | <b>0.1 % (1000 ppm)</b> |
| <b>Flame Retardants</b>                            |           |           |           | <b>0.1 % (1000 ppm)</b> |
| <b>Polybrominated Biphenyls (PBB)</b>              | <b>ND</b> | <b>ND</b> | <b>ND</b> |                         |
| Monobromobiphenyl (MonoBB)                         | ND        | ND        | ND        |                         |
| Dibromobiphenyl (DiBB)                             | ND        | ND        | ND        |                         |
| Tribromobiphenyl (TriBB)                           | ND        | ND        | ND        |                         |
| Tetrabromobiphenyl (TetraBB)                       | ND        | ND        | ND        |                         |
| Pentabromobiphenyl (PentaBB)                       | ND        | ND        | ND        |                         |
| Hexabromobiphenyl (HexaBB)                         | ND        | ND        | ND        |                         |
| Heptabromobiphenyl (HeptaBB)                       | ND        | ND        | ND        |                         |
| Octabromobiphenyl (OctaBB)                         | ND        | ND        | ND        |                         |
| Decabromobiphenyl (DecaBB)                         | ND        | ND        | ND        |                         |
| <b>Polybrominated Diphenyl Ethers (PBDE)</b>       | <b>ND</b> | <b>ND</b> | <b>ND</b> |                         |
| Monobromodiphenyl Ether (MonoBDE)                  | ND        | ND        | ND        |                         |
| Dibromodiphenyl Ether (DiBDE)                      | ND        | ND        | ND        |                         |
| Tribromodiphenyl Ether (TriBDE)                    | ND        | ND        | ND        |                         |
| Tetrabromodiphenyl Ether (TetraBDE)                | ND        | ND        | ND        |                         |
| Pentabromodiphenyl Ether (PentaBDE)                | ND        | ND        | ND        |                         |
| Hexabromodiphenyl Ether (HexaBDE)                  | ND        | ND        | ND        |                         |
| Heptabromodiphenyl Ether (HeptaBDE)                | ND        | ND        | ND        |                         |
| Octabromodiphenyl Ether (OctaBDE)                  | ND        | ND        | ND        |                         |
| Nonabromodiphenyl Ether (NonaBDE)                  | ND        | ND        | ND        |                         |
| Decabromodiphenyl Ether (DecaBDE)                  | 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 62321-111/54/CDV,by acid digestion and determined by ICP-OES                            | 2 ppm  |
| Lead (Pb)Content                  | With reference to IEC 62321-111/54/CDV,by acid digestion and determined by ICP-OES                            | 2 ppm  |
| Mercury (Hg)Content               | With reference to IEC 62321-111/54/CDV,by acid digestion and determined by ICP-OES                            | 2 ppm  |
| Chromium VI (Cr6+)(For non-metal) | With reference to IEC 62321-111/54/CDV,by alkaline digestion and determined by UV-VIS spectrophotometer       | 1 ppm  |
| Chromium VI (Cr6+)(For metal)     | With reference to IEC 62321-111/54/CDV,by SPOT TEST   | 1 ppm (IN TESTING SOLUTION)                  |
| Chromium VI (Cr6+)(For metal)     | With reference to IEC 62321-111/54/CDV,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 62321-111/54/CDV,by solvent extraction and determined by GC/MS and HPLC                 | 5 ppm  |

NOTE :Tests were conducted with reference to 11/54/CDV version 2006-05-05 which is still a draft method and subject to future changes prior to publication.

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



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**SAMPLE 1**



**SAMPLE 2**



**SAMPLE 3**



## END OF TEST REPORT ##



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