

## 1.) Sample information

**Material Identification:** Vectra A 130/LCP GF30

Testing Period: 27/SEP/2007 – 22/OCT/2007

## 2.) Applied analytical techniques

|                          |  |
|--------------------------|--|
| Sample preparation:      | Pulverization/Homogenization of the sample material  |
| Chromium, Lead, Cadmium: | Inductively coupled plasma atomic emission spectrometry acc. EN ISO 11885 after microwave digestion with nitric acid/hydrogen peroxide based on EPA 3051 A |
| Mercury:                 | Cold vapor atomic absorption spectrometry acc. DIN EN 1483 after microwave digestion with nitric acid/hydrogen peroxide based on EPA 3051 A                |
| Bromine:                 | X-ray fluorescence analysis (Screening analysis) with NITON Model XLt-797WZ portable X-ray fluorescence analyser acc. IEC 62321 CDV Ed. 2                  |
| PBDE/PBB:                | High resolution gas chromatography with mass-selective detector after soxhlet extraction with toluene based EPA 3540C                                      |

## 3.) Analytical results

| Parameter            |                           | Value         | Limit according Directive 2005/618/EC | Comment                               |
|----------------------|---------------------------|---------------|---------------------------------------|---------------------------------------|
| Cadmium (Cd)         |                           | mg/kg < 1     | 100                                   |                                       |
| Lead (Pb)            |                           | mg/kg < 10    | 1000                                  |                                       |
| Mercury (Hg)         |                           | mg/kg 1.2     | 1000                                  |                                       |
| Chromium, total (Cr) |                           | mg/kg 95      | 1000                                  | Hexavalent chromium, Cr (VI)          |
| Bromine (Br)         |                           | mg/kg 229,000 | -                                     |                                       |
| PBDEs                | Monobromo diphenyl ether  | mg/kg < 5     | 1000                                  | Sum of polybrominated diphenyl ethers |
|                      | Dibromo diphenyl ether    | mg/kg < 5     |                                       |                                       |
|                      | Tribromo diphenyl ether   | mg/kg < 5     |                                       |                                       |
|                      | Tetrabromo diphenyl ether | mg/kg < 5     |                                       |                                       |
|                      | Pentabromo diphenyl ether | mg/kg < 10    |                                       |                                       |
|                      | Hexabromo diphenyl ether  | mg/kg < 10    |                                       |                                       |
|                      | Heptabromo diphenyl ether | mg/kg < 10    |                                       |                                       |
|                      | Octabromo diphenyl ether  | mg/kg < 20    |                                       |                                       |
|                      | Nonabromo diphenyl ether  | mg/kg < 30    |                                       |                                       |
|                      | Decabromo diphenyl ether  | mg/kg < 50    |                                       |                                       |
| PBBs                 | Monobromo biphenyl        | mg/kg < 5     | 1000                                  | Sum of polybrominated biphenyls       |
|                      | Dibromo biphenyl          | mg/kg < 5     |                                       |                                       |
|                      | Tribromo biphenyl         | mg/kg < 5     |                                       |                                       |
|                      | Tetrabromo biphenyl       | mg/kg < 5     |                                       |                                       |
|                      | Pentabromo biphenyl       | mg/kg < 10    |                                       |                                       |
|                      | Hexabromo biphenyl        | mg/kg < 10    |                                       |                                       |
|                      | Heptabromo biphenyl       | mg/kg < 10    |                                       |                                       |
|                      | Octabromo biphenyl        | mg/kg < 20    |                                       |                                       |
|                      | Nonabromo biphenyl        | mg/kg < 30    |                                       |                                       |
|                      | Decabromo biphenyl        | mg/kg < 50    |                                       |                                       |

Revision: A

### Compliance List:

RoHS Directive 2002/95/EC  
WEEE Directive 2002/96/EC  
ELV Directive 2000/53/EC

Based on the performed tests on the submitted sample, the results **indicate no conflict** with the above directives and its subsequent amendments.



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