



| Requested by: Tikkurila Oyj

**Requested by** Tikkurila Oyj  
 PL 53  
 01301 VANTAA

**Order** Joonas Auvinen, 30.8.2011, Offer VTT-O- 122213-11

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**Assignment** Compliance verification for paints used in food premises – indirect contact

Based on our investigations, the following three products have been verified to comply with general requirements concerning food premises according to Finnish Food Act 23/2006.

Customer: Tikkurila Oyj

- Products:
1. LUJA Finishing Paint, semi-gloss
  2. LUJA Finishing Paint, semi-matt
  3. LUJA Finishing Paint, matt

The verification is based on chemical emission measurements and the information on CMR (Carcinogenic, Mutagenic and toxic for Reproduction /1/) substances provided by the producer as follows:

Chemical emissions: The chemical emissions for the product at the age of 28 days are below the M1-limit values as follows /2/:

	<b>TVOC</b> mg/(m <sup>2</sup> h) <sup>1)</sup>	<b>Formaldehyde</b> mg/(m <sup>2</sup> h)	<b>Ammonia</b> mg/(m <sup>2</sup> h)	<b>Carcinogens /3/</b> mg/(m <sup>2</sup> h)
<b>Specific emission rate, SER</b>	0.110	<0.005	0.006	<0.005
<b>M1-limit values /2/</b>	<0.2	<0.05	<0.03	<0.005
<b>Limit of detection</b>	0.001	0.005	0.005	0.001

The test results relate only to the sample tested.

CMR substances:

According to the information provided by the producer, the products contain CMR (Carcinogenic, mutagenic and toxic for reproduction /3/) substances below the following concentrations:

Formaldehyde (CAS: 50-0-0) concentration: < 13 ppm

Acrylamide (CAS 79-06-1) concentration: < 4 ppm

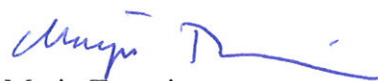
REFERENCES

1. Regulation (EC) No 1272/2008.
2. The Finnish Building Information Foundation, [www.rts.fi](http://www.rts.fi)
3. IARC Group 1 carcinogens, WHO 1987, does not apply for formaldehyde (IARC 2004)

Espoo, 13.9.2011



Helena Järnström  
Team Manager



Marja Tuominen  
Service manager

Appendices

Distribution

Customer  
Archive

Original  
Original

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