

# T E S T   C E R T I F I C A T E

Number: ST-07-06-28-1

**Product:** Multilayer parquet (coating layer composition as specified by the producer)

**Producer:** Fine Furniture Ltd., No 66 Tao Yuan Road, Donghai, Nanhui District  
SHANGHAI  
CHINA

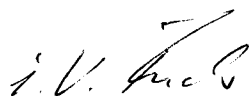
**Order:** Testing of selected properties for CE-Labeling according to EN 14342

**Test report:** 277048

**Test results:**

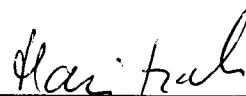
Property	Result	Declaration according to EN 14342
Formaldehyde emission according to EN 717-1	0,03 ppm	class E1
Content of PCP	< 0,3 mg/kg	not to declare

Dresden, 28.06.2007



Head of laboratory





Engineer in charge

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Dresden, 28 June 2007  
70-em/ha

## Test report Order No. 277048

**Customer:** Fine Furniture Ltd.  
No 66 Tao Yuan Road  
Donghai, Nanhui District  
SHANGHAI  
CHINA

**Date of order:** 02 March 2007

**Order:** Selected tests of a parquet for CE-Labeling

**Institution:** EPH – Laboratory Surface Testing

**Engineer in charge:** Dipl.-Ing. (FH) M. Hanitzsch



Dr.-Ing. R. Emmeler  
Head of Laboratory Surface Testing

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## 1 Task

The Notified Body (Nr. 766) Entwicklungs- und Prüflabor für Holztechnologie GmbH (EPH) was ordered by Fine Furniture Ltd. in SHANGHAI / CHINA to carry out selected tests of parquets for CE-labelling according to EN 14342.

## 2 Test material

The costumer has sent one variant of a parquet (dimension 500 mm x 580 mm x 15 mm, arrival at the EPH-laboratory: 10 April 2007). The variant was no marked.

## 3 Test performance

### 3.1 Determination of the formaldehyde emission according to the test chamber method

The determination of the formaldehyde emission was carried out according to the test chamber method DIN EN 717-1 during the period from 31.05.2007 until 26.06.2007.

Two pieces of the laminate with the dimension 500 mm x 580 mm x 15 mm were jointed back to back and the edges were sealed. In each case, 2 of those samples with a total surface of 0,58 m<sup>2</sup> were put into the 0,6 m<sup>3</sup> test chamber.

The formaldehyde emission was determined at the following conditions:

- Test start 01.06.2007
- Temperature 23 °C ± 0,5 K
- Relative air humidity 45 ± 3 %
- Air flow velocity 1 h<sup>-1</sup>

The detection limit of the applied method is 0,01 ppm formaldehyde (1 ppm = 1,24 mg HCHO/m<sup>3</sup>).

### 3.2 Determination of the PCP content

The determination of the PCP content of parquet (sample 2) was carried out according to CEN/TR 14823 in connection with the institute's standard IHD-W 409 by gas chromatography and ECD-detection subsequent to extraction of the material. Quantification was made using external standards.

The detection limit (NG) of the analysis method is 0,3 mg/kg.

## 4 Results

### 4.1 Formaldehyde emission according to the test chamber method

Formaldehyde emission in:	
mg/m <sup>3</sup>	ppm
0,04 (624 h)	0,03 (624 h)

### 4.2 PCP content

PCP content in mg/kg
< 0,3

## 5 Evaluation

The tested variant of parquet can be classified regarding to several properties according to the CE-labelling (EN 14342) as follows:

Property	Result	Declaration according to EN 14342
Formaldehyde emission according to EN 717-1	0,03 ppm	class E1
Content of PCP	< 0,3 mg/kg	not to declare


According to the Chemikalienverbotsverordnung (ChemVerbotsV - Chemical prohibition regulation) and EN 14342 the limiting value of an E1-class for the formaldehyde emission is 0,1 ppm.

With reference to the Chemikalienverbotsverordnung (ChemVerbotsV) § 1 (15) and in connection with EN 14342 the limiting value for PCP for a declaration is 5 mg/kg.

With regard to 0,03 ppm (624 h) formaldehyde emission the tested parquet surely meet the limiting value of the ChemVerbotsV § 1 (3) as well as the requirements according to EN 14342. Therefore the product can be classified to the formaldehyde emission class E1.

The PCP content of the tested parquet is < 0,3 mg/kg and therefore surely meets the requirements of the above mentioned limiting value according to ChemVerbotsV § 1 (15).

The product must not be declared with a PCP content according to EN 14342.

  
 Dipl.-Ing. (FH) M. Hanitzsch  
 Engineer in charge