

Determination of formaldehyde emission according to the Japanese glass desiccator method

Method	JIS A 1460 (2001) for building boards (will be updated 2005) JIS A 5905 (2003) for fibreboards – refer to JIS A 1460 method JIS A 5908 (2003) for particleboards – refer to JIS A 1460 method JAS 240 (2003) for flooring JAS 233 (2003) for plywood (SOP-KEMI-050)
Desiccator material	Glass
Desiccator volume	9-11 litres
Sample size	Total area of 1800 cm ² including butt ends and double surface. ~10 pieces, 150 ± 1 mm x 50 ± 1 mm
Sealing	No
Conditioning	≥ 1 day in plastic at 20°C ± 1°C (after cutting of test pieces) for JAS. 1 week open at 20 ± 2°C, 65 ± 5 % for JIS methods.
Test duration	24 hours
Temperature	20°C ± 0.5°C
Humidity	300 ± 1 ml water in a petri dish
Air exchanges	Static measurement
Results in	mg/l (Report FE3, F5 and FE4)

Emission classes	Average (mg/l)	Maximum (mg/l)
F☆☆☆☆	≤ 0.3	≤ 0.4
F☆☆☆	≤ 0.5	≤ 0.7
F☆☆	≤ 1.5	≤ 2.1
F☆	≤ 5.0	≤ 7.0

