

VOC content testing:

Most times self-declaration without external testing

■ EU:

■ VOC in the product

- Determination: Weight loss of a thin layer during 1 h at 110 °C; ISO 11890-1 (VOC>15%)
- or extraction, then GC; ISO 11890-2
- Dispersion paints: Headspace-In-can testing; ISO 17895

■ USA:

■ VOC in the product, minus water,

minus "exempt compounds" that do not contribute to urban smog;
i.e. : VOC are related to only part of the product
(to sum of solids plus organic portion minus exempt compounds)

- Determination: Weight loss of a thin layer during 1 h at 110 °C; SCAQMD rules and methods, EPA 24, ASTM D2369
- Plus Karl-Fisher water determination
- Plus extraction, then GC for determination of exempt compounds content

