



GBT 23985-2009

Paints and varnishes - Determination of volatile organic compound (VOC) content - Difference method

色漆和清漆 挥发性有机化合物(VOC)含量的测定 差值法

AQSIQ, SAC

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National Standard of the People's Republic of China

GB/T 23985-2009/ISO 11890-1: 2007

Paints and varnishes - Determination of volatile organic compound (VOC) content - Difference method

(ISO 11890-1: 2007, Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 1: Difference method, IDT)

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Paints and varnishes - Determination of volatile organic compound (VOC) content - Difference method

1. Scope

This Standard is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products.

This Standard specifies a method for the determination of the volatile organic compound (VOC) content of paints, varnishes and their raw materials. This Standard may be used where the VOC content is greater than 15 % by mass. When the expected VOC content is greater than 0.1 % by mass and less than 15 % by mass, GB/T 23986 should be employed.

This method assumes that the volatile matter is either water or organic. However, other volatile inorganic compounds can be present and might need to be quantified by another suitable method and allowed for deduction in the calculations.

2. Normative References

The following normative documents contain provisions, which, through reference in this Standard, constitute provisions of this standard. For dated references, subsequent amendments (excluding corrections), or revisions, of any of these publications do not apply to this Standard. However, parties who enter into agreements based on this Standard are encouraged to investigate whether the latest editions of these documents are applicable. For undated references, the latest edition applies to this Standard.

GB/T 1725 Paints, varnishes and plastics - Determination of non-volatile-matter content (GB/T 1725-2007, ISO 3251: 2003, IDT)

GB/T 3186 Paints, varnishes and raw materials for paints and varnishes - Sampling (GB/T 3186-2006, ISO 15528: 2000, IDT)

GB/T 6283 Chemical products - Determination of water - Karl Fischer method (general method) [GB/T 6283-1986, eqv ISO 760: 1978, Determination of water - Karl Fisher method (General method)]

GB/T 6750 Paints and varnishes - Determination of density - Pyknometer method (GB/T 6750-2007, ISO 2811-1:1997, Paints and varnishes - Determination of density - Part 1: Pyknometer method, IDT)

GB/T 9278 Temperatures and humidities for conditioning and testing of paint specimens (GB/T 9278-2008, ISO 3270: 1984, Paints and varnishes and their raw materials - Temperatures and humidities for conditioning and testing, IDT)

GB/T 20777 Paints and varnishes - Examination and preparation of samples for testing (GB/T 20777-2006, ISO 1513: 1992, IDT)

GB/T 21862.2 Paints and varnishes - Determination of density - Part 2: Immersed body (plummet) method (GB/T 21862.2-2008, ISO 2811-2:1997, IDT)

GB/T 21862.3 Paints and varnishes - Determination of density - Part 3: Oscillation method (GB/T 21862.3-2008, ISO 2811-3:1997, IDT)

GB/T 21862.4 Paints and varnishes - Determination of density - Part 4: Pressure cup method (GB/T 21862.4-2008, ISO 2811-4:1997, IDT)

GB/T 23986 Paints and varnishes - Determination of volatile organic compound (VOC) content - Gas-chromatographic method (GB/T 23986-2009, ISO 11890-2: 2006, Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 2: Gas-chromatographic method, IDT)



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