Preparation and Uncertainty of Pharmaceutical Solution Standards for Use in Drinking Water Analysis

Abstract

Does the vendor provide uncertainty on the purity factor (potency)? Yes

- Chromatographic purity
- Analytical techniques: KF, headspace, micro-ash/ROI

Veriﬁcation of identity (NMR, FTIR, MS)

- Differences between sample temperature and compound melting point

- Residual solvent values should remain stable over time when properly prepared

- Due to the synthetic route, extraction process, or purification procedure, residual solvent may be present

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