

全氟及多氟烷基物質分析技術介紹 – 電子產品風險評估

Analytical Technology of Per- and Polyfluorinated Alkyl Substances – Risk Assessment of Electronic Products

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Abstract

Per- and polyfluoroalkyl substances (PFAS) are a diverse group of synthetic organofluorine chemicals that have been used extensively in commercial and industrial applications. The extensive applications of PFAS are due to properties of reduced surface tension, water-repellency, oleophobicity, and resistance which are contributed by the unique chemical structure of fully fluorinated methyl or methylene carbon atom. However, the persistent property of PFAS causes detrimental effects of environment and animals such as long-distance transmission potential and bioaccumulation.

Numerous governments have identified PFAS as hazardous substances and regulated PFAS by local regulations. Table 1 demonstrates ...

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