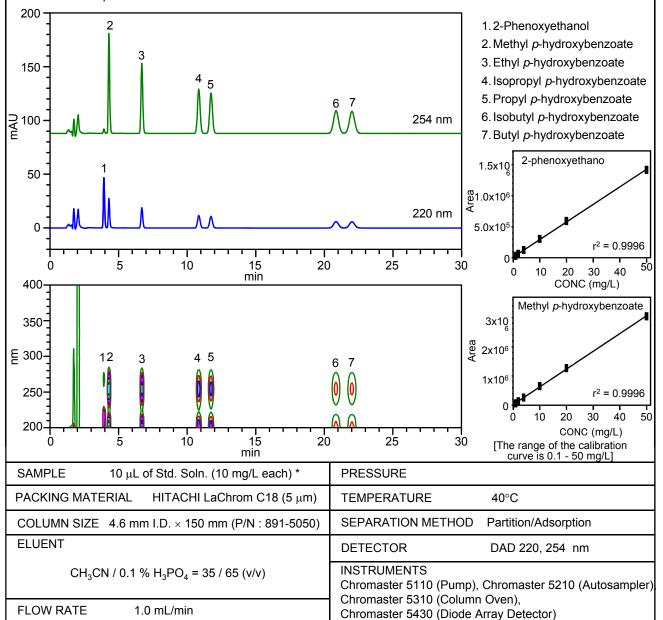
Analysis of Preservative Standards

Paraben family is the collective term used for paraoxy-benzoic acid ester (*p*-hydroxybenzoate ester) and is not very harmful to human bodies. As parabens have antiseptic and antifungal effects, they are used in medicines, cosmetics, and food products as preservatives. Phenoxyethanol is one of the components used in cosmetics as an antiseptic sterilizing agent. As phenoxyethanol is found as a naturally occurring substance in green tea, etc., its toxicity is considered to be low compared with parabens. The addition amount of phenoxyethanol can be reduced by using it alongside with parabens and thus, the phenoxyethanol is often used concomitantly with parabens in cosmetics. An example of the analysis in which phenoxyethanol and parabens were analyzed at the same time is introduced here. The compounds were analyzed by DAD at the most suitable wavelentgth for each of them, 220 nm for phenoxyethanol and 254 nm for parabens.



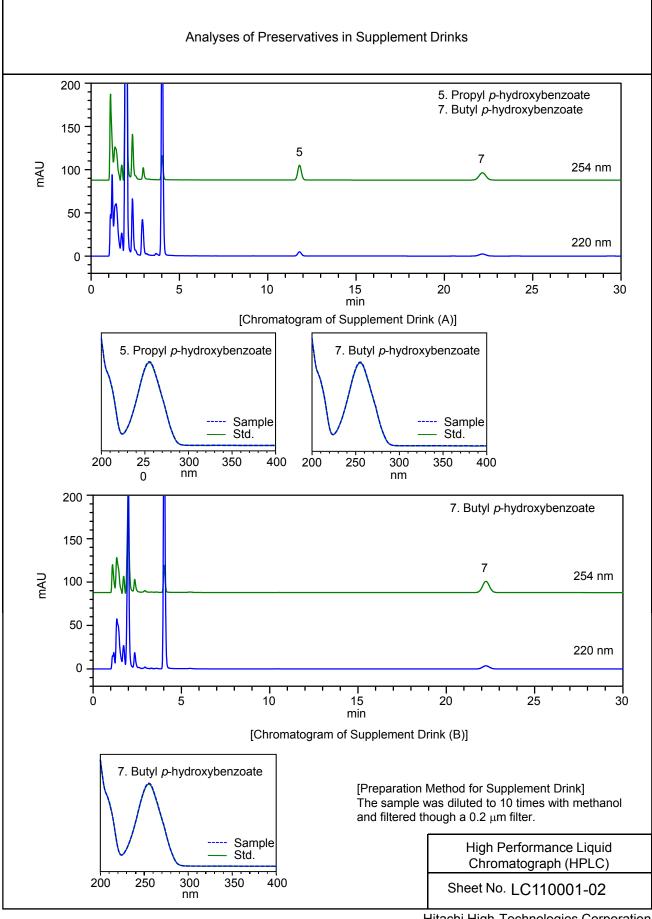
NOTE * The standard sample was prepared by using methanol.

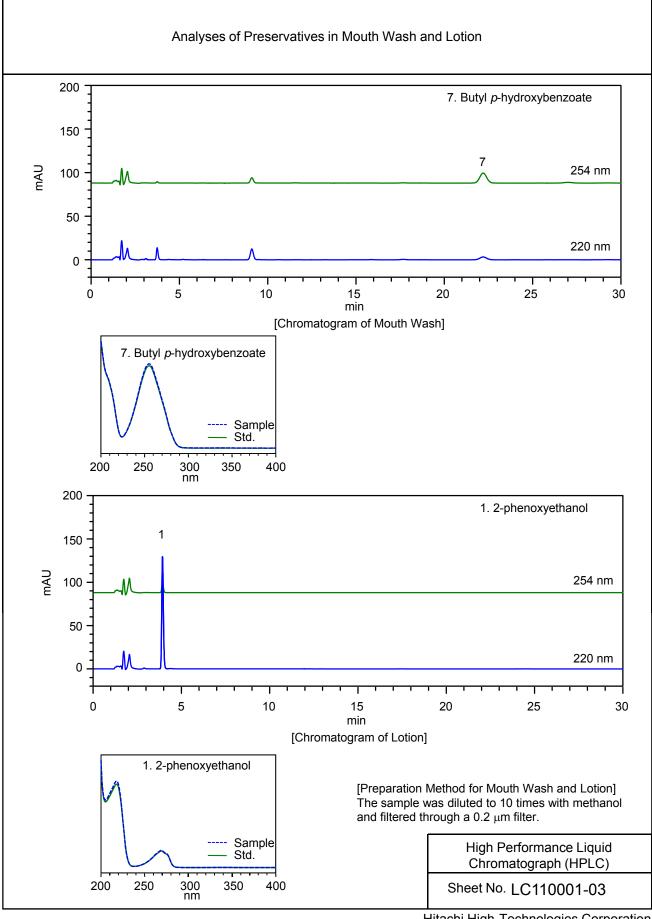
[Reference] Report No.47 by Osaka Prefectural Institute of Public Health, 2009

KEY WORDS Bio/Medical Science/Foo

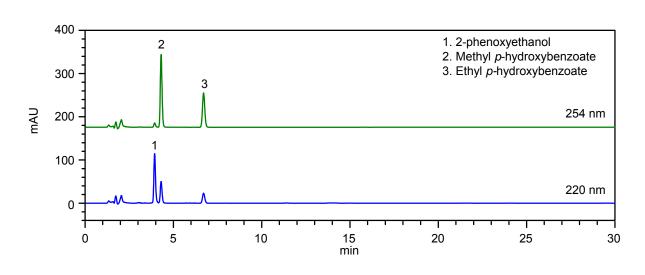
Bio/Medical Science/Food/Pharmaceutical, Cosmetic, Medicine/Pharmaceutical, Medical Science/Pharmaceutical Science, Antiseptic, Paraben, Phenoxyethanol, Supplement Drink, Mouth Wash, Cosmetic, Skin Lotion, Lotion, Hand Cream, DAD, Health, Chromaster, LaChrom C18, Partition/Adsorption High Performance Liquid Chromatograph (HPLC)

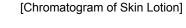
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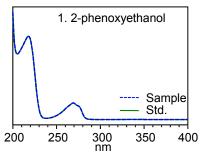


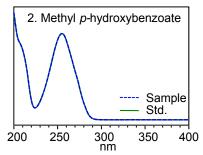


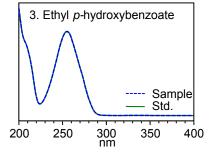
Analysis of Preservatives in Skin Lotion











[Preparation Method for Skin Lotion]

High Performance Liquid Chromatograph (HPLC)

Sheet No. LC110001-04

Analysis of Preservatives in Hand Cream

