

ICS 71.100.40

CCS Y 43

QB

**LIGHT INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

QB/T 5347-2018

Oral care and cleansing products. Determination of benzoic acid, salicylic acidin, sorbic acid, phenoxyethanol in toothpastes. High Performance Liquid Chromatography

口腔清洁护理用品 牙膏中苯甲酸、水杨酸、山梨酸和苯氧乙醇含量的测定 高效液相色谱法

(English Translation)

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What this standard covers

This standard specifies the methods, reagents and reference materials, instruments, analytical procedures, calculation of results, recovery rates, standards for the determination of benzoic acid, sorbic acid, salicylic acid and phenoxyethanol in oral cleaning care products. Deviation and tolerance are poor. This standard is applicable to the determination of the content of benzoic acid, sorbic acid, salicylic acid and phenoxyethanol in oral care products such as toothpaste, oral cleaning solution and tooth powder. The standard concentrations of benzoic acid, sorbic acid, salicylic acid and phenoxyethanol were 1.5 ??g/mL, 2.5 ??g/mL, 2.5 ??g/mL and 3.0 ??g/mL, respectively, and the quantitative concentrations were 5.0 ??g/mL, 7.5 ??g/mL, 7.5 ??g/mL, and 10.0 ??g/mL; if 0.5 g of sample is taken, the detection limits of benzoic acid, sorbic acid, salicylic acid, and phenoxyethanol are 0.015%, 0.025%, and 0.025%, respectively. 0.03 %, the limit of quantitation was 0.05%, 0.075%, 0.075% and 0.10%, respectively.

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