



Detection of Thermotolerant Coliform Bacteria in Cosmetics (Draft for Comments) and Explanatory Notes

《化妆品中耐热大肠菌群的检验方法(征求意见稿)》
及起草说明

National Institutes for Food and Drug Control

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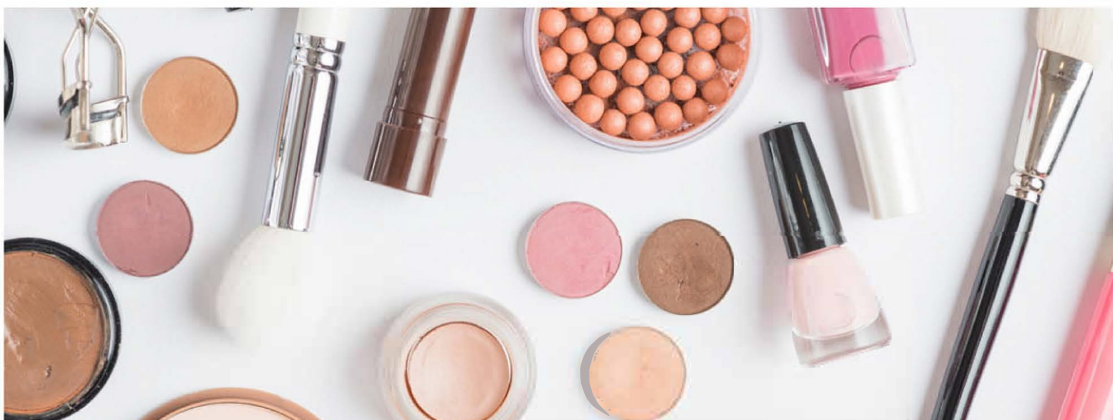
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Attachment 3

Detection of Thermotolerant Coliform Bacteria in Cosmetics (Draft for Comments)

1 Scope

This standard specifies the test method for the determination of thermotolerant coliform bacteria in cosmetics.

This standard applies to the determination of thermotolerant coliform bacteria in cosmetics.

2 Definition

Thermotolerant Coliform Bacteria

A group of aerobic and facultative anaerobic Gram-negative, non-spore-forming short bacilli that can ferment lactose to produce acid and gas when incubated at 44.5 °C for 24–48 h.

These bacteria originate mainly from the feces of humans and warm-blooded animals. They serve as indicators of fecal contamination for evaluating the hygienic quality of cosmetics, and for inferring the potential presence of intestinal pathogenic bacteria in cosmetics.

3 Strains

No.	Strain Name	Strain Number	Strain Source
1	<i>Escherichia coli</i>	CMCC(B)44102, or other equivalent standard strains	National Center for Medical Culture Collection

Note: These strains are used for applicability test and quality control during the testing procedures.

4 Equipment and Materials

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附件 3

化妆品中耐热大肠菌群的检验方法（征求意见稿）

Detection of Thermotolerant Coliform Bacteria in Cosmetics (Draft for Comments)

1 范围

本规范规定了化妆品中耐热大肠菌群的检验方法。

本规范适用于化妆品中耐热大肠菌群的检验。

2 定义

耐热大肠菌群 Thermotolerant coliform bacteria

系一群需氧及兼性厌氧革兰氏阴性无芽孢短杆菌，在 44.5℃培养 24~48 h 能发酵乳糖产酸并产气。

该菌主要来自人和温血动物粪便，可作为粪便污染指标来评价化妆品的卫生质量，推断化妆品中有否污染肠道致病菌的可能。

3 菌种

序号	菌株名称	菌株编号	菌株来源
1	大肠埃希氏菌	CMCC(B)44102 或其他等效标准菌株	中国医学细菌保藏管理中心

注：用于适用性试验和检验过程中的质量控制。

4 设备和材料

4.1 恒温水浴箱或恒温培养箱，44.5±0.5℃，36±1℃

4.2 温度计。

4.3 显微镜。

4.4 载玻片。

4.5 接种环。



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