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**General methods on determination of cosmetics -
Identification of the emulsion type (w/o or o/w)**

化妆品通用检验方法
乳化类型（w/o 或 o/w 的鉴别）

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General methods on determination of cosmetics - Identification of the emulsion type (w/o or o/w)

1 Scope

This standard specifies the methods for the identification of the emulsion type (w/o or o/w) of cosmetics of cream and lotion type by conductivity method, dilution method, dyeing method.

This standard applies to the qualitative identification of emulsion types (w/o or o/w) of cosmetics of cream and lotion type.

2 Conductivity method

2.1 Principle

Oil-in-water (o/w) products are more conductive than water-in-oil (w/o).

2.2 Instrument

Conductivity meter.

2.3 Steps

2.3.1 Before testing, correct the instrument according to the requirements of the instrument manual.

2.3.2 Select the appropriate range ($>10 \mu\text{S/cm}$). Insert the electrode into the specimen. Observe whether it is conductive.

2.4 Determination of results

If the conductivity is displayed, it is oil-in-water type (o/w). Otherwise, it is water-in-oil type (w/o).

3 Dilution method

3.1 Principle

Use the principle of similarity-intermiscibility of the emulsified external phase.

3.2 Reagents and materials

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