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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3084.1-2012

Occular irritation test of cosmetics for import and export. Neutral red uptake assays in vitro

进出口化妆品眼刺激性试验 体外中性红吸收法

(English Translation)

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3.1 Terms and Definitions

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Foreword

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

1 Scope

This section specifies the method of operation used in vitro neutral red absorption assay cosmetic eye irritation potential.

This section applies to soluble surfactants and surfactant-based cosmetic ingredients and formulations.

This part applies to weak eye irritation test products for poorly soluble, volatile, non-ferrous and lysosomal reactive substances does not apply.

This section is a pre-screening test cosmetics eye irritation potential, it can be used as in vitro eye irritation test method or combination of methods a series Points, cosmetic eye irritation final classification.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis SN/T 2285 cosmetic vitro alternatives experiments

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3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1 Cell viability

Metric cell population total activity, to express to absorbance at 540nm (OD540nm).

3.1.2 Relative cell viability

Participants to the vitality and viability of the negative control cells ratio of cell material, in this relative light absorbance at 540nm (OD540nm%) represented.

3.2 Acronyms

The following abbreviations apply to this document.

DMEM. cell culture medium.

NRU. neutral red.

DMSO. dimethyl sulfoxide.

PBS. phosphate buffer (cell wash liquor).

SDS. sodium dodecyl sulfate.

IC50. make BALB/c cells neutral red adsorption capacity reduction of 50% concentration is the test substance.

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