

(PREVIEW)

Indian Standard
**MICROBIOLOGICAL EXAMINATION OF
 COSMETICS AND COSMETIC RAW
 MATERIALS — METHODS OF TEST**

1 SCOPE

This standard prescribes methods for determination of microbial content of cosmetics and cosmetic raw materials. This standard lays down widely applicable methods but does not restrict the use of other validated

methods. Microbial limits for finished cosmetic products are given in Annex A. Guideline for the neutralizers to be used with different preservatives is given in Annex B.

ANNEX B*(Clause 1)***LIST OF RECOMMENDED NEUTRALIZERS FOR DIFFERENT PRESERVATIVES**

<i>Preservative</i>	<i>Chemical Compounds able to Neutralize Preservative's Antimicrobial Activity</i>	<i>Examples of Suitable Neutralizers</i> <small>1)</small>
Phenolic compounds: parabens, phenoxyethanol, phenylethanol, etc Anilides	Lecithin, Polysorbate 80, Ethylene oxide condensate of fatty alcohol, Non-ionic surfactants	Polysorbate 80, 30 g/l + lecithin, 3 g/l. Ethylene oxide condensate of fatty alcohol, 7 g/l + lecithin, 20 g/l + polysorbate 80, 4 g/l. D/E neutralizing broth
Quaternary ammonium compounds Cationic surfactants	Lecithin, saponin, polysorbate 80, sodium dodecyl sulphate Ethylene oxide condensate of fatty alcohol.	Polysorbate 80, 30 g/l + sodium dodecyl sulphate, 4 g/l + lecithin, 3 g/l. Polysorbate 80, 30 g/l + saponin, 30 g/l + lecithin, 3 g/l. D/E neutralizing broth
Aldehydes Formaldehyde-release agents	Glycine, histidine	Polysorbate 80, 30 g/l + sodium dodecyl sulphate, 4 g/l + lecithin, 3 g/l. Polysorbate 80, 30 g/l + saponin, 30 g/l + lecithin, 3 g/l. D/E neutralizing broth
Oxidizing compounds	Sodium thiosulphate	Sodium thiosulphate, 5 g/l. D/E neutralizing broth
Isothiazolinones, Imidazoles	Lecithin, saponin, Amines, sulfates, mercaptans, sodium bisulfite, sodium thioglycollate	Polysorbate 80, 30 g/l, + saponin, 30 g/l + lecithin, 3 g/l. D/E neutralizing b
Biguanides	Lecithin, saponin, polysorbate 80	Polysorbate 80, 30 g/l, + saponin, 30 g/l + lecithin, 3 g/l. D/E neutralizing broth
Metallic salts (Cu, Zn, Hg) Organo-mercuric compounds	Sodium bisulphate, L-cysteine, Sulphydryl compounds, thioglycollic acid	Sodium thioglycollate, 0,5 g/l or 5 g/l. L-cysteine, 0,8 g/l or 1,5 g/l. D/E neutralizing broth

¹⁾ D/E is a universal diluent or neutralizer and hence can be used for all product types (see Annex D).