

An Updated Review on Cosmetic Sciences

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Abstract: *Cosmetic products are an important element in human society. The use cosmetics has implications of health hazards; hence, modern cosmetic technology is in search of naturally-derived cosmetics. In this chapter, cosmetics derived from synthetic polymers, polysaccharide-based polymers, protein, and siliconebased materials are discussed. Particularly, synthetic polymers have changed the personal care industry dramatically by increased the use of favorable synthetic polymers that are soluble in various organic solvents like methyl chloride, ethyl alcohol, iso-propanol, toluene, and so forth. This route is environment-friendly, however, there is a tilt in the use of aqueous-based solvents in the cosmetic industry. Polysaccharide-based polymers are readily available from common natural sources. They have been used from centuries, have healing properties, and are nontoxic and noncarcinogenic. Such polysaccharide-based polymers are discussed in great detail. Silicone, being the most abundantly known element, is a suitable candidate for use in cosmetic products. For protein-based cosmetics, their use for such applications is well known from great ancient civilizations. The relevant details are presented in this chapter.*

Keywords: Cosmetics, Documentation, cGMP, ICH guidelines, SOPs, Preparation and evaluation of Shampoo.

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