



COSMETICS PACKAGE

Body Creams, Lotions, Jelly, Oils and Soap, Hand Sanitizers

Chemistry	
Parameters	Technique
Thermal stability	
Change of colour	Physical
Change of smell	Physical
Phase separation	Physical
Formation of granules/crystal growth	Physical
Shrinkage due to evaporation of water	Physical
Appearance	Physical
pH	Potentiometric
Fat content	Gravimetric
Hydroquinone	HPLC
Acid value	Titrimetric
Peroxide value	Titrimetric
Rancidity	Physical
Anisidine value	Spectrometry
Chlorides in soap	Titrimetric
Free Caustic alkali in soap	Titrimetric
Free fatty acids in soap	Titrimetric
Insoluble impurities in soap	Gravimetric
Unsaponifiable matter in soap	Gravimetric
Soap content	Titrimetric/Gravimetric
Moisture content	Gravimetric
Foaming power (Lather)	Physical
Heavy metals	
Mercury	FIMS
Lead	GF-AAS
Arsenic	GF-AAS

Microbiology	
Parameters	Technique
Candida	Spread plate
Total Plate Count (TPC)	Pour plate
Total Coliforms (TC)	Pour plate
Staphylococcus aureas	Spread plate
Pseudomonas aeruginosa	Spread plate

Escherichia coli	Pour plate
Yeast and moulds	Spread plate
Enterobacteriaceae	Pour plate

Hand Sanitizers

Parameters	Technique
Ethanol content	GC-FID
pH	Potentiometry
Bacterial efficacy	Spread plate