Exp. No.-20   Date:

Aim: To prepare and submit 20ml of shampoo.

Reference:
Dr. Kastur P.V., Gokhale S.B., Parakh S.R., Hasan S.A. Practical Pharmaceutics-1,NiraliPrakashan, August 2019,26th Edition.Mumbai;7.6
Requirements:
Apparatus Required:
Mortar & pestle, weigh balance, measuring cylinder, glass rod, spatula, beaker etc.

Chemical Required:
Coconut oil, Castor oil, Potassium hydroxide, Glycerol, Perfume, Borax, Purified water

Principle:
The function of shampoo is to clean hairs and to remove dirt, dust and sebum from the surface. It also leaves hair in soft, lustrous and manageable condition. If soap is used for cleaning the hair afterdrying gives electrostatic fly while combing. Shampoo removes this drawback and leaves the conditioning effect.

Formula:

Sl. No.	Ingredients	Official formula	Working formula	Required quantities
1	Coconut oil	18% v/v		
2	Castor oil	4%v/v		
3	Potassium hydroxide	5.3%w/v		
4	Glycerol	4%v/v		
5	Perfume	0.2%v/v		
6	Borax	0.5%w/v		
7	Purified water	68%v/v		20ml

Calculation:

Procedure:

In a beaker heat coconut oil, castor oil with potassium hydroxide and little quantity of water-on- water bath. In the remaining water add glycerol. Borax and perfume mix together. Mix both the liquid to form clear solution.

Use: The function of shampoo is to clean hairs and to remove dirt, dust and sebum from thesurface
Storage: Stored in well closed air tight container.

Label:

SHAMPOO		
20ml		
Composition: Coconut oil Castor oil Potassium hydroxide Glycerol Perfume Borax Purified water	**BATCH NO.:** **MFG. DATE:** **MFG. LIC NO.:** **EXPIRY DATE:**	
Category: Cleaning hair		
FOR EXTERNAL USE ONLY.		
Use: It is used as a clean the hairs and to remove dirt, dust and sebum from the surface **Storage:** Stored in a well closed container at a temperature not exceeding 25^{0}C		
MFG BY: ABCD	Batch:	Roll No.:

Report: