

Exp. No.-25**Date:****Aim:** To prepare and submit 20gm of Toothpaste.**Reference:**1. Mithal BM, Saha RN, A Handbook of cosmetics, 1st Edn, Vallabh Prakashan, 2000**Requirements:****Apparatus Required:**

Mortar & pestle, weigh balance, Beaker, Pipette etc.

Chemical Required:

Di calcium Phosphate, Sodium Lauryl Sulphate, PEG, Glycerine. Sodium saccharine, Gumtragacanth, Peppermint oil, water

Principle:

Dentifrices such as toothpastes, tooth powders and tooth gels are meant for the cleaning the surface of the teeth by removing the food debris and plaque adhered to surface of the teeth which is the main cause for tooth problems.

Formula:

Sl. No.	Ingredients	Official formula	Working formula	Required quantities
1	Di calcium Phosphate	45gm		
2	Sodium Lauryl Sulphate	1.2gm		
3	PEG	5.9gm		
4	Glycerine	30gm		
5	Sodium saccharine	0.5gm		
6	Gum tragacanth	2gm		
7	Peppermint oil	q. s		
8	Water	q. s up to 100gm		20gm

Calculation:**Procedure:**

Mix gum tragacanth and humectants with water. Add di calcium phosphate with above mixture. Flavor and SLS were gently added with stirring. Now toothpaste is ready and ready to go for labeling.

Uses: Cleaning the surface of the teeth**Storage:** Stored in well closed air tight container.

TOOTHPASTE 20gm					
Composition: Di calcium Phosphate, Sodium Lauryl Sulphate, PEG, Glycerine. Sodium saccharine, Gum tragacanth, Peppermint oil, water	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">BATCH NO.:</td> <td style="width: 50%;">MFG. DATE:</td> </tr> <tr> <td>MFG. LIC NO.:</td> <td>EXPIRY DATE:</td> </tr> </table>	BATCH NO.:	MFG. DATE:	MFG. LIC NO.:	EXPIRY DATE:
BATCH NO.:	MFG. DATE:				
MFG. LIC NO.:	EXPIRY DATE:				
Category: Dentifrices					
FOR INTERNAL USE ONLY.					
Use: Cleaning the surface of the teeth Storage: Stored in a well closed container at a temperature not exceeding 25 ⁰ C					
MFG BY: ABCD	Batch: _____ Roll No.: _____				

Label:

Report: