

Exp. No.-18

Date:

Aim: To prepare and submit 10 Tetracycline Capsule I.P

Reference:

- ✓ Dr. Kastur P.V., Gokhale S.B., Parakh S.R., Hasan S.A. Practical Pharmaceutics.
- ✓ Nirali Prakashan, August 2019, 26th Edition.Mumbai;8.3-8.4
- ✓ Indian Pharmacopoeia.

Requirements:

Apparatus Required: Mortar & pestle, weigh balance and spatula.

Chemical Required: Tetracycline, Starch, Talc.

Principle:

Capsule may contain one or more medicaments with or without excipients. The content of the capsule may be solid, liquid or paste. If quantity of the drug or drug is insufficient to fill the capsule then diluents is used to increase the bulk. After mixing the drug with diluents appropriate size of a capsule is selected for filling.

Formula:

Sl. No.	Ingredients	Official formula	Working formula	Required quantities
1	Tetracycline	250mg		
2	Starch	25mg		
3	Talc	25mg		For 10 tabs

Calculation:

Procedure:

- ✓ Weigh the required quantity of drug and other excipients.
- ✓ Moisture content should be less than 1.5%.
- ✓ Starch should be dried and sieved through 100*, moisture less than 1.5%.
- ✓ Talcum should be dried and sieved through 100S, moisture less than 1%.
- ✓ Mix all the ingredients uniformly using mortar and pestle.
- ✓ Empty capsule shells of number "0" is selected and for filling the content in capsule shell.
- ✓ Store capsules in air tight container.

Use: Antibacterial

Storage: Capsule should be stored in cool place with controlled humidity.

Dose: Tetracycline is taken by mouth as a capsule or liquid, typically two to four times a day for seven to 14 days.

Label:

TETRACYCLINE CAPSULE I.P		
Composition: Tetracycline Starch Talc	BATCH NO.:	MFG. DATE:
Category: Antibacterial	MFG. LIC NO.:	EXPIRY DATE:
FOR INTERNAL USE ONLY.		
Use: Antibacterial		
Storage: Stored in a well closed container at a temperature not exceeding 25 ⁰ C		
MFG BY: ABCD	Batch:	Roll No.:

Report: