	Date
Expt. No	Page No. 40
Aim: Buranton	
T de la varie 10 1	
breight of Il 1. 1. 1.	tage loss of
To determine the percer weight of the tablet af with friability tester.	ter being tested
Reference:	
Khan and Vyas "Industrial Phar distributions, 4th edition.	may " CBS publication and
austributions, 4" édition.	
Requirement:	
(1) Tablet	
(ii) Weighing	balance
(iii) Friability.	tester
Theory:	
Tablet is not an absolu	te indicator of
Strength since some for	mulations, when
compressed into very hard	stablets, tend to
"Cap" on attrition, losing	their cown postion.
Therefore another mean strength, its friability	in of the manual
a lablet that tend to be	Alal deas alile and
tragment when handed	Jack elegans and
consumer acceptance, and	can create excellively
disty process in such	area of many facturing
	Teacher's Signature

Date	
Page No	41

as coating and packaging. They can also add to a tablet weight variation or content uniforming uniformly problems.

The Friability test is official in USP but not in B.P. and I.P. The laboratory friability tester is known as the Roche Friabilator.

Subject a number of tablets to the combined effect of abrasion and shock by utilizing a transparent synthetic polymer chamber with an internal diameter between 283 and 291 nm and a depth between 36 to 40 mm that revolves at 25 ± 1 spm. The tablet are tumbled from a distance of six inches at each turn of the drum by a curved projection. Normally a preweighed tablet sample is placed in the friabilator (w), which is then operated for 100 revolutions.

Generally, the test is sun once. If obviously, cracked, cleaved, or broken tablets are present in the tablet cample after tumbling, the sample fails the test. If the results are difficult to interpret or if the weight loss is greater than the targeted value, the test should be repeated twice and the mean of three tests determined. A maximum means weight loss from the three samples of not more than 1.0% is generally considered acceptable for conventional compressed tablets.

Teacher's Signature _____

-	Date
xpt.	. No Page No
-	some chemable tablets are most efferverent tablets undergo high friability weight losses, which accounts for the special stack
-	when capping is observed on friability testing, the tablet should not be considered for commercial use, or egardless of the
-	When concave is especially doct my one hunches are used
	When concave is especially deep concave punches are used in table thing, and especially when the punches are in poor condition or worn at their surface edges, the tablets
	produced result in "whiskering" at the tablet edge. such tablet have higher than normal friability
	Tablet friability may also be influenced by the moisture
	but acceptable mointure level frequently acts as a binder.
	Very dry granulation that contain any only fractional percentage of moisture often produce more friable tablet than do granulations
	containing 2 to 4 1/ moisture. For this reason, the manufacture of chemically stable tablets that contain some hydrolyzable drugs that are mechanically sound to difficult.
	Procedure:
(i)	10 tablet are reletted and weigh.
	All tablet were put into the drum of the tablet abrasion so

Friability tester. The vate of votation was set to 100 xpm for 10 minutes and operation was started.

Teacher's Signature

	Date
Expt. No	Page No. <u>43</u>
All tablets were removed at the end of the ensure to be free from dust or powder bourh. The tablet were in reweight. The loss of weight was determined.	by using the
iv) compress tablet should not less more the weight.	an 14. of its
Discussion:	
· In friability test the tablet are thrown to abro enabling us to check for the tablet strength un of the force in different man manner.	asion hence der application
· It can be pause by number of factors including design (thoo sharp edges), low moisture con insufficient bindre.	ing poor tablet ntent and
· Efferbescene tablet and chemable tablet different specification as far as friability	
· Tablet should be hard enough so that they don't have the bottle. However still friable enough so that dist disintegrate in the gastrointestinal track. · Tablet thrown to capping during the best are considered.	they can
· Friability test is influenced by internal factor moisture content of tablet granule and finis	the delets.
Teacher's Signature	

	Date
Expt. No16	Page No. 44
Result:	
The percentage loss of after being tested in successfully performed	of weight of the tablet with friability tester was in the laboratory.
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