	Date
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1	Aim:
	To defermine the percentage loss of reight of the tablet after being tested with friability tester.
	Reference:
7	Requisement:
	(i) Tablet
	(ii) Weighing balance (iii) Friability tester
-	Theory:
-	Tablet is not an obsolute indicator of
C	empressed into very hard tablets, tend to
	Cap" on attrition, losing their crown portion. Therefore another measure of a tablet's
	Tablet that tend to handen ship and
1	roaginers when hundred sack elegance and
	consumer acceptance, and can create excessively disty process in such area of manufacturing
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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, ox 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.

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Some chemable tablets are most effervescent tablets undergo high friability weight losses, which accounts for the special stack packaging that may be required for there types of tablets. When capping is observed on friability testing, the tablet should not be considered for commercial use, regardless of the percentage of loss seen.  When concave is especially deep concave punches are used in tabletting, and especially when the punches are in poor condition or worn at their susface edges, the tablet produced result in "whiskering" at the tablet edge. such tablet have higher than normal friability values because the "whiskers" are removed in testing.  Tablet friability may also be influenced by the moisture content of the tablet granualation and finished tablets. A low but acceptable moisture level frequently acts as a binder.  Very dry granulation that contain and friational percentage		Date
high friability weight losses, which accounts for the special stack packging that may be required for three these types of tablets. When capping is observed on friability testing the tablet should not be considered for commercial use, regardless of the percentage of loss seen.  When concave is especially deep concave punches are used in tabletting, and especially when the punches are in poor condition or worn at their surface edges, the tablett produced result in "whiskering" at the tablet edge. such tablet have higher than normal friability.  Values because the "whiskers" are removed in testing.  Tablet friability may also be influenced by the moisture content of the tablet granualation and finished tablets. A low but acceptable moisture level frequently acts as a binder.  Very dry granulation that contain and private as a binder.  Very dry granulation that contain and friends than do granulation.  Containing 2 to 4 it moisture. For this reason, the manufacture of chemically stable tablets that contain some hydrolyzable drugs that are mechanically sound to difficult.  Procedure:	Expt. No	
in table thing, and especially when the punches are in poor condition or woon at their surface edges, the tablets produced result in "whiskering" at the tablet edge, such tablet have higher than normal friability values because the "whiskers" are removed in testing.  Tablet friability may also be influenced by the moisture content of the tablet granualation and finished tablets. A low but acceptable moisture level frequently ack as a binder.  Very dry granulation that contain and only fractional percentage of moisture often produce more friable tablet than do granulations containing 2 to 4 it moisture. For this reason, the manufacture of chemically stable tablets that contain some hydrolyzable drugs that are mechanically sound to difficult.  Procedure:	high friability weight losses, which accounts packaging that may be required for three when capping is observed on friability test not be considered for commercial use.	for the special stack there types of tablets. ing, the tablet should
	in tabletting, and especially when the condition or woon at their surface edge produced result in "whiskering" at such tablet have higher than normal values because the "whiskeri" are new Tablet friability may also be influenced wontent of the tablet granualation and finition but acceptable moisture level frequently very dry granulation that contain may or of moisture often produce more friable table containing 2 to 4 1/2 moisture. For this new of chemically stable tablets that contain	punches are in poor is, the tablets  the tablet edge.  I friability  noved in testing.  By the moisture  shed tablets. A low  y act as a binder.  My fractional percentage  let than do granulations  cason, the manufacture  n some hydrolyzable
(i) 10 tablet are selected and weigh.	Procedure:	
	(i) 10 tablet are reletted and we	gh.

(ii) All tablet were put into the drum of the tablet abrasion so Friability tester. The rate of solution was set to 100 spm for 10 minutes and operation was started.

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ensure to be free from dust boush. The tablet were is a loss of weight was determine	reweight. The percentage
(iv) Compress tablet should not I weight.	ens more than IN. of its
Discussion:	
· In foiability test the tablet are enabling us to check for the table of the force in different man n	thrown to abrasion hence 1 strength under application
· It can be pause by number of design (too shatp edges), low insufficient bindre.	factor including poor tablet moisture content and
· Efferbescene tablet and che different specification as fa	r as friability is concern.
Tablet should be hard enough so that the bottle. However still friable	enough so that they can
Tablet thrown to capping during the commercial use.	
· Friability test is influenced by i moisture content of tablet gran	Me and finished tablets.  Teacher's Signature