	Date
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Aim: Swarman	
To determine the percen	tage loss of
To determine the percent weight of the tablet of with friability tester.	ter being tested
Reference:	
Khan and Vyas "Industrial Phanedistributions, 4th edition.	nay" CBS publication and
Requirement:	
(ii) Weighing (iii) Friability	balance tester
Theory:	
Tablet is not an absolution strength since some for	
compressed into very hard "cap" on attrition, losing	Fablets, tend to
Therefore another mean	use of a tablet's
Strength, its friability Tablet that tend to be	en der chih and
fragment when handed	lack elegance and
consumer acceptance, and disty process in such	can create excessively
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	as coating and backaging. They can also
	add to a tablet weight variation or
_	as coating and packaging. They can also add to a tablet weight variation or content uniforming uniformly problems.
	The Friability test in official is use but
	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.
	friability tester is known as the
	Roche Friabilator.
	Subject a number of tablets to the combined effect of abrasion and shock by utilizing a
	combined effect of abrasion and shock by utilizing a
	Transparent Synthetic polymer chamber with an
	Internal adameter between 283 and 291 nm and
	a depth between 36 to 40 mm that revolves at
	25 ± 1 8pm. 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 . I.O.1. is
-	generally considered acceptable for conventional
-	compressed tablets.
4.3	

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by by h	me chenable tablets are most efferverent tablets undergo gh friability weight losses, which accounts for the special stack deging that may be required for these types of tablets. Then capping is observed on friability testing, the tablet should of be considered for sommercial use, regardless of the excentage of loss seen.
in   in   in   in   in   in   in   in	hen concave is especially deep concave punches are used tabletting, and especially when the punches are in poor modition or worn at their surface edges, the tablets roduced result in "whiskering" at the tablet edge. Such tablet have higher than normal friability
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Tablet friability may also be influenced by the moisture intent of the tablet granualation and finished tablets. A low out acceptable moisture level frequently acts as a binder.  ery dry granulation that contain may only fractional percentage of moisture often produce more friable tablet than do granulations entaining 2 to 4 1/2 moisture. For this reason, the manufacture
(	of chemically stable tablets that contain some hydrolyzable drugs that are mechanically sound to difficult.  Sociedure:
	10 tablet were but into the down of the tablet aboarion so
11/1	Il tablet were but into the wound of the tablet aboation soo

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

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_	All tablets were removed at the end of the operation and ensure to be free from dust or powder by using the bourh. The tablet were in reweight. The percentage loss of weight was determined.		
(v)	Compress tablet should not less more than 14. of its weight.		
	Discussion:		
•	In friability test the tablet are thrown to abrasion hence enabling us to check for the tablet strength under application of the force in different manner.		
•	It can be pause by number of factors including poor tablet design (two sharp edges), low moisture content and insufficient bindre.		
•	Efferbescene tablet and chewable tablet may have different specification as far as sociability is concern.		
	Tablet should be hard enough so that they don't have break up in the bottle. However still friable enough so that they can died diciately ate in the gast-spintestinal track.		
	dist disint-grate in the gastrointestinal track.  Tablet thrown to capping during the best are considered unfit for commercial use.  Exiability test is influenced by internal factors like that		
	Exiability test is influenced by internal factors like that moisture content of tablet granule and finished tablets.  Teacher's Signature		

		Do	ate	
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Result:				
The bercenta after being successfully.	ge loss of posterned in	veight of stability.  The labo	the to tester oatosy	blet
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