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DATE:02/04/2017

PROCESS: Dehydration of Pineapple.

PROCEDURE:

1. For this trial, remove the outer rough skin of pineapple and chop it into thick slices of 10-15 mm.
2. Take weight before dehydration and note it as initial weight and then arrange on a tray.
3. Set temperature of dehydrator at 65°C and make observations.
4. During the process, observations are made after every 60 minutes by checking the moisture loss on drying in pineapple, by taking weight and by capturing pictures.

TRIAL SETUP:



TRIAL READINGS AND PICTURES:

Before Dehydration Process	After 60 minutes
Initial Weight: 706 grams	Weight taken: 508 grams

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After 120 minutes

Weight taken: 389 grams



After 180 minutes

Weight taken: 306 grams



After 240 minutes

Weight taken: 241 grams



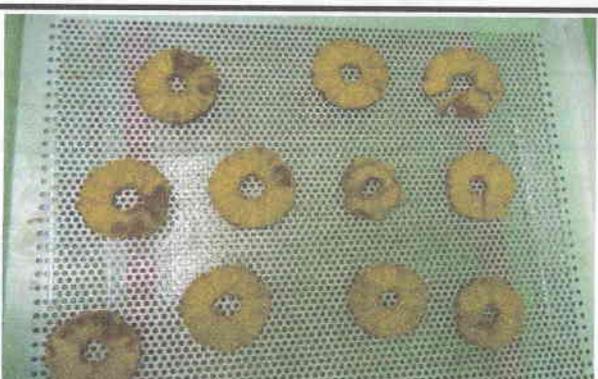
After 300 minutes

Weight taken: 190 grams



After 360 minutes

Weight taken: 120 grams



After 420 minute

Weight taken: 108 grams

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After 480 minutes

Weight taken: 105 grams

OBSERVATIONS:

1. The process of dehydration is completed at 65°C for 480 minutes as there is so less weight loss after 720 minutes.
2. After dehydration, the colour of pineapple become little brownish and dark yellow and texture become little hard.
3. The total weight loss in pineapple is 601 grams, i.e., out off 706 grams only 105 grams remain.
4. It shows approximately 85% weight loss of pineapple in 480 minutes,i.e., in 8 hours at 65°C.
4. Following are the before and after pictures of dehydration process.



Before Dehydration



After Dehydration

LINE GRAPH AND BAR DIAGRAM SHOWING MOISTURE LOSS ON DRYING:

Following presentation of line graph and bar diagram illustrates the moisture loss on drying in pineapple by showing weight taken against different intervals of time.

The line graph shows the weight of pineapple decreases over the period of time interval and in bar diagram, the numbers on bar indicates the weight of pineapple taken at that time interval.

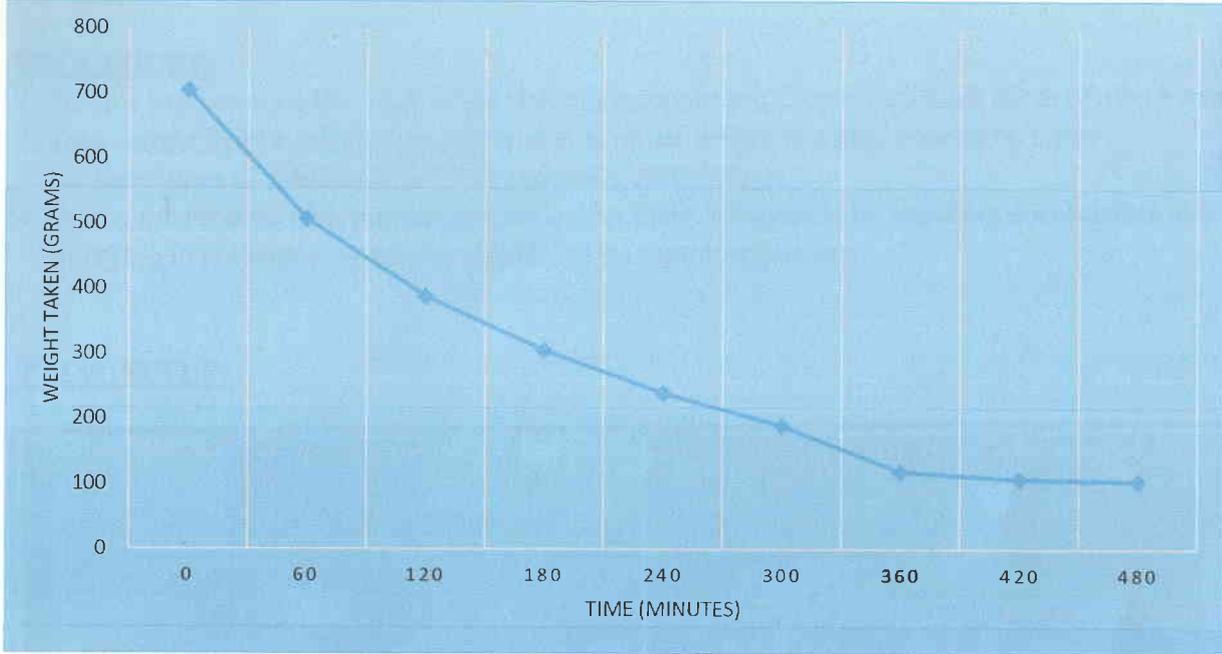


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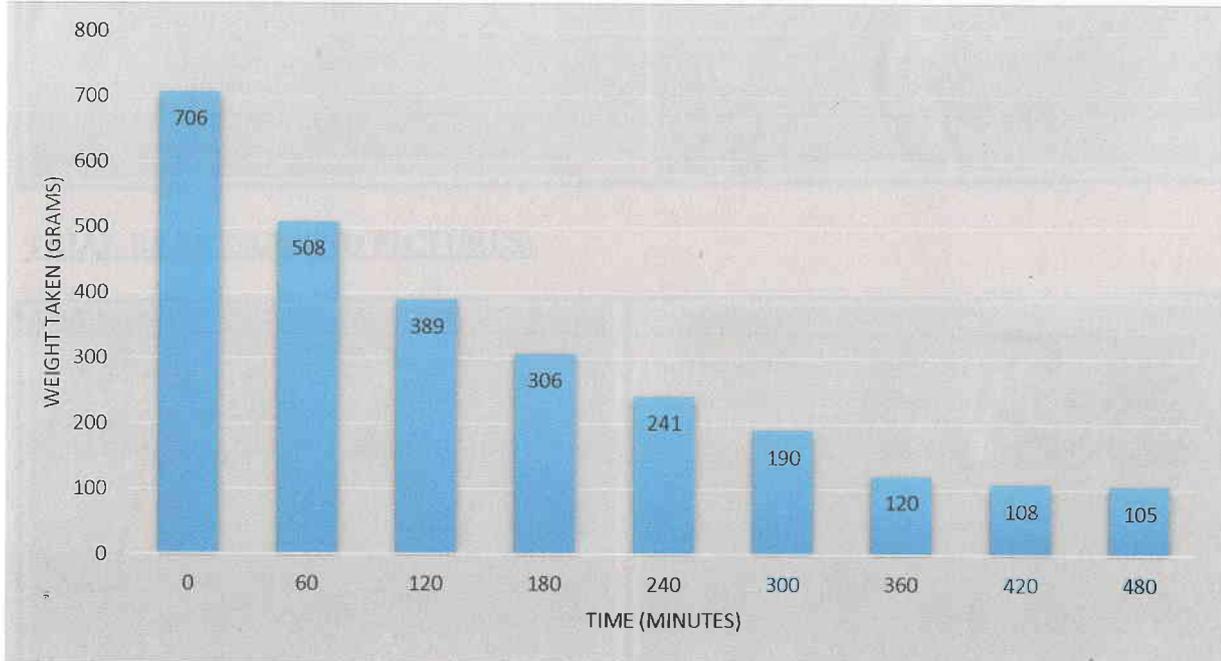


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1. Line Graph:



2. Bar Diagram:



K Komal

MISS. KOMAL BHOITE
TESTING INCHARGE

[Signature]
MR. GAURAV MESTRY
CHECKED BY

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