



KERONE



Member of
The University of
Nottingham

NSIC - CRISIL
Rated Company



A CRISIL-NSIC RATED COMPANY
ISO 9001: 2008 COMPANY
AFFILIATED TO THE UNIVERSITY OF NOTTINGHAM
MEMBER OF AMICAL

DATE: 01/03/2017

CLIENT: FABRIC PLUS PVT. LTD.

PROCESS: Continous drying of Natural Silk.

PROCEDURE:

1. Trials are taken with 40% moisture (water) in silk sample and initial weight taken, i.e. , 100 gms of silk + 40 ml of water(water sprayed on silk) = Initial weight with moisture.
2. Then samples are dried in dehydrator with side draft for temperature at 90°C.
3. After drying for different time intervals, final weight taken and observations made.

TRIAL SETUP:



TRIAL READINGS:

SR. NO.	Temperature (°C)	Time (minutes)	Sample wt(gms)	Initial Wt with moisture(gms)	Final wt(gms)	Observations
1	90	40	100	133	95	No change in appearance
2	90	50	100	133	92	No change in appearance
3	90	60	100	135	94	No change in appearance

OBSERVATIONS:

On drying at 90°C, we find the same weight loss after 50 minutes and after 60 minutes, i.e., weight loss of 41 grams.

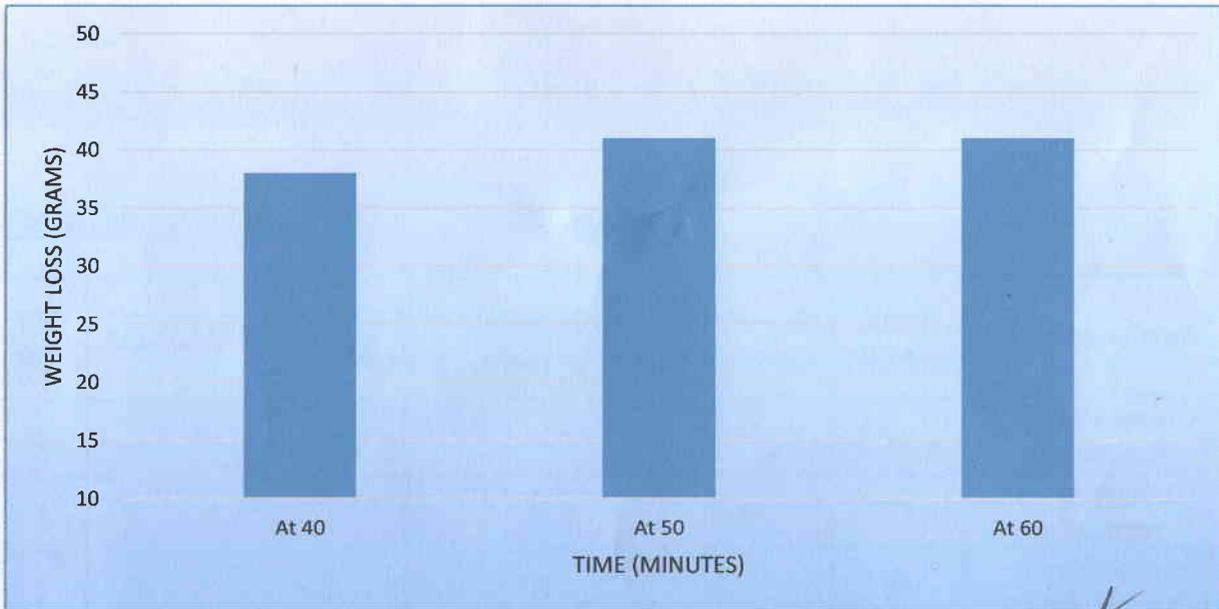


KERONE



A CRISIL-NSIC RATED COMPANY
ISO 9001: 2008 COMPANY
AFFILIATED TO THE UNIVERSITY OF NOTTINGHAM
MEMBER OF AMICAL

LINE GRAPH & BAR DIAGRAM SHOWING MOISTURE LOSS ON DRYING:



K Komal

MISS. KOMAL BHOITE
TESTING INCHARGE

MR. GAURAV MESTRY
CHECKED BY