



KERONE



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

DATE:23/04/2017

CLIENT: ADEPT IMPEX PRIVATE LIMITED

APPLICATION: Disinfection and sterilizing of dry herbs.

PROCEDURE FOLLOWED:

1. For disinfection and sterilizing purpose, microwave exposure is given to herbs for a small time period of about 30 to 90 seconds and observations are made.
2. As sample is almost dry with only 2-3% moisture, the microwave exposure is given for small time interval and on high intensity.

TRIAL SETUP :



TRIAL SAMPLE:



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TRIAL READINGS AND OBSERVATIONS:

1. Herb Name: Tulsi

SR. No.	Microwave Power(W)	Time (seconds)	Observations
1	900 W	30	No change in colour and texture
2		40	No change in colour and texture
3		50	No change in colour and little brittle in texture
4		60	No change in colour and little brittle in texture
5		70	No change in colour and little brittle in texture
6		80	No change in colour and more brittle in texture
7		90	No change in colour and more brittle in texture that easily get crushed in powder by hand

2. Herb Name- Chamomile Flower

SR. No.	Microwave Power(W)	Time (seconds)	Observations
1	900 W	30	No change in colour and texture
2		40	No change in colour and texture
3		50	No change in colour and little brittle in texture and more aroma on heating
4		60	No change in colour and little brittle in texture and more aroma on heating
5		70	No change in colour and little brittle in texture and more aroma on heating
6		80	No change in colour and more brittle in texture and strong aroma on heating
7		90	No change in colour, more brittle that easily get crushed into powder by hand and strong aroma on heating



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PICTURES SHOWING TEXTURE AFTER MICROWAVE EXPOSURE:

Following are the pictures showing the texture of sample after 90 seconds of microwave. It get easily crushed into powder by hands after 90 seconds of microwave exposure on 900 W.



TULSI



CHAMOMILE FLOWER

K Komal

**MISS. KOMAL BHOITE
TESTING INCHARGE**

**MR. GAURAV MESTRY
CHECKED BY**

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