



KERONE

A CRISIL-NSIC RATED COMPANY

ISO-9001-2008 COMPANY

Member Of



AIMCAL (USA)



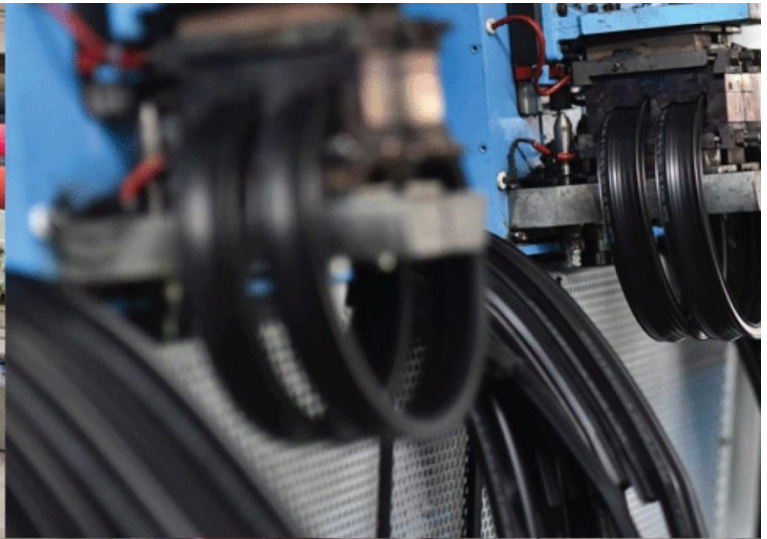
A.M.P.E.R.E (EUROPE)

In Association With



ELECTRO MAGNETIC innovative technologies

Kerone Research & Development Centre (KRDC),
B/47, Addl. MIDC. Anand Nagar, Ambernath (East), Thane- 421 506, India
Tel- +91-251-2620542/43/44/45/46, Email-info@kerone.com, www.kerone.com



ISO 9001-2008 | ISO 9001-2015 | EMS 14001 | OHSAS 18001
In Association with SVCH-Technologii, Moscow (Russia)



Batch Microwave + Convection Heat Treatment

Summary report of Garlic and Anardana:

Sr. No.	Product name	Lot No.	Initial moisture (%)	Desired moisture Range (%)	Magnetron power (kW)	Microwave temp. (°C)	Heater temp (°C)	Total cycle time (min)	No.of cycles	Sample quantity (gms)	Final moisture (%)
1	Garlic	6099	9.6	4-6	0.5	55	60	60	4	200	5.2
2	Garlic	6099	9.6	4-6	0.5	50	60	45	1	200	4.5
3	Anardana	6348	11.3	5-8	0.5	55	60	60	3	200	5.7
4	Anardana	6348	11.3	5-8	0.5	50	60	45	1	300	4.9



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MOISTURE REPORT:

Garlic

<p>Drying started</p> <p>Date : 19-02-2022 Time : 15:52:34 Model: AGS200 Serial number : 138</p> <p>Drying parameters</p> <p>Product : 0</p> <p>Drying temperature : 105.0 °C</p> <p>Drying profile : standard Mode : Short mode Calculation : $((m0-m)/m0)*100\%$ Finished : 3 samples</p> <p>Initial weight : 0.741 g Final weight : 0.670 g</p> <p>Drying time : 00:02:20s Sampling interval : 20 sec</p> <p>Moisture : 9.6 %</p> <p>NOTE Initial moisture</p> <p>The analysis performed by:</p> <p>Signature: <i>Aravali</i></p>	<p>Drying started</p> <p>Date : 7-03-2022 Time : 10:34:22 Model: AGS200 Serial number : 138</p> <p>Drying parameters</p> <p>Product : 0</p> <p>Drying temperature : 105.0 °C</p> <p>Drying profile : standard Mode : Short mode Calculation : $((m0-m)/m0)*100\%$ Finished : 3 samples</p> <p>Initial weight : 0.613 g Final weight : 0.581 g</p> <p>Drying time : 00:03:40s Sampling interval : 20 sec</p> <p>Moisture : 5.2 %</p> <p>NOTE Final moisture Trial 1</p> <p>The analysis performed by:</p> <p>Signature: <i>Aravali</i></p>	<p>Drying started</p> <p>Date : 7-03-2022 Time : 13:05:42 Model: AGS200 Serial number : 138</p> <p>Drying parameters</p> <p>Product : 0</p> <p>Drying temperature : 105.0 °C</p> <p>Drying profile : standard Mode : Short mode Calculation : $((m0-m)/m0)*100\%$ Finished : 3 samples</p> <p>Initial weight : 0.998 g Final weight : 0.953 g</p> <p>Drying time : 00:06:20s Sampling interval : 20 sec</p> <p>Moisture : 4.5 %</p> <p>NOTE Final moisture Trial 2</p> <p>The analysis performed by:</p> <p>Signature: <i>Aravali</i></p>
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BEFORE & AFTER PICTURES OF TREATED SAMPLE:

UNTREATED SAMPLE



TREATED SAMPLE



Format: F/R&D/01

The value obtained is already corrected for possible recover value stated, if applicable. This document may not be reproduced or disclosed wholly or partly in any part thereof without the written consent of the laboratory management or customer. This document relates only to the specimen samples processed. The processed sample will be kept in this laboratory for 7 days from the date of heat treatment.



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Anardana

Drying started
Date : 21-02-2022
Time : 12:47:14
Model: AGS200
Serial number : 138
Drying parameters
Product : 0
Drying temperature : 105.0 °C
Drying profile : standard
Mode : Short mode
Calculation : $((m0-m)/m0)*100\%$
Finished : 3 samples
Initial weight : 1.056 g
Final weight : 0.937 g
Drying time : 00:03:40s
Sampling interval : 20 sec
Moisture : 11.3 %

NOTE Initial moisture

The analysis performed by:

Signature:

Drying started
Date : 5-03-2022
Time : 16:38:27
Model: AGS200
Serial number : 138
Drying parameters
Product : 0
Drying temperature : 105.0 °C
Drying profile : standard
Mode : Short mode
Calculation : $((m0-m)/m0)*100\%$
Finished : 3 samples
Initial weight : 0.703 g
Final weight : 0.663 g
Drying time : 00:02:20s
Sampling interval : 20 sec
Moisture : 5.7 %

NOTE Final moisture
Final 1

The analysis performed by:

Signature:

Drying started
Date : 7-03-2022
Time : 14:58:27
Model: AGS200
Serial number : 138
Drying parameters
Product : 0
Drying temperature : 105.0 °C
Drying profile : standard
Mode : Short mode
Calculation : $((m0-m)/m0)*100\%$
Finished : time over
Initial weight : 0.675 g
Final weight : 0.642 g
Drying time : 00:01:03s
Sampling interval : 20 sec
Moisture : 4.9 %

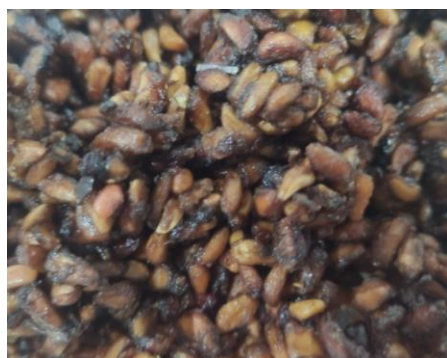
NOTE Final moisture
Final 2

The analysis performed by:

Signature:

BEFORE & AFTER PICTURES OF TREATED SAMPLE:

UNTREATED SAMPLE



TREATED SAMPLE

