KERONE
Kerone Engineering Solutions Limited

MICROWAVE VACUU DRYING OF **INDIAN AMLA FOR RETENTION OF ASCORBIC ACID CONTENT**

48+ Years Of experience

RATED COMPANY

In Association with SVCH-Technologii, Moscow (Russia)

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)

- KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.
- KERONE is devoteded to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.
- KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.
- KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions

WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION

- To enhance the value of customer operation through our customer need centric engineering solution.
- We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION

- Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.
- To attain global recognition as the best of quality and environment-friendly engineering solution company.

> Enhance the value of customer operation through our customer need centric engineering solution.

TRUSTED PARTNERS

TÜV ISO 14001:2004

AFCONS

Technip

EIL

TOYO ENGINEERING

ZEPPELIN WE CREATE SOLUTIONS

Reliance Engineering Associates Pvt. Ltd.

TATA TATA CONSULTING ENGINEERS LIMITED

LLOYD'S

SC Shroff Consultants

STERLING & WILSON

Microwave power: 0.5W/g
Vacuum Pressure: 600 mm Hg

Drying process was done with pulsation (microwave was “on” for 1 minute and “off” for 2 minute).

Total drying time = (on time+ off time) =(16+30) = 46 mins

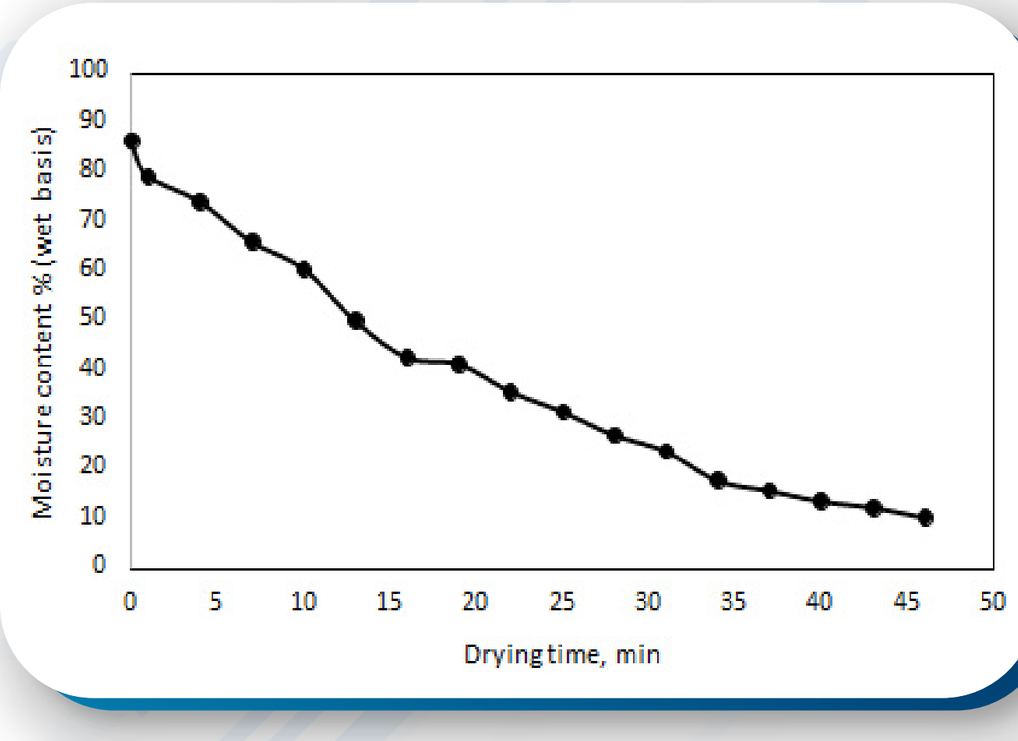
Initial moisture content: 86.46 % (wet basis)
Moisture content after 46 minutes of drying: 10.60 % (wet basis)

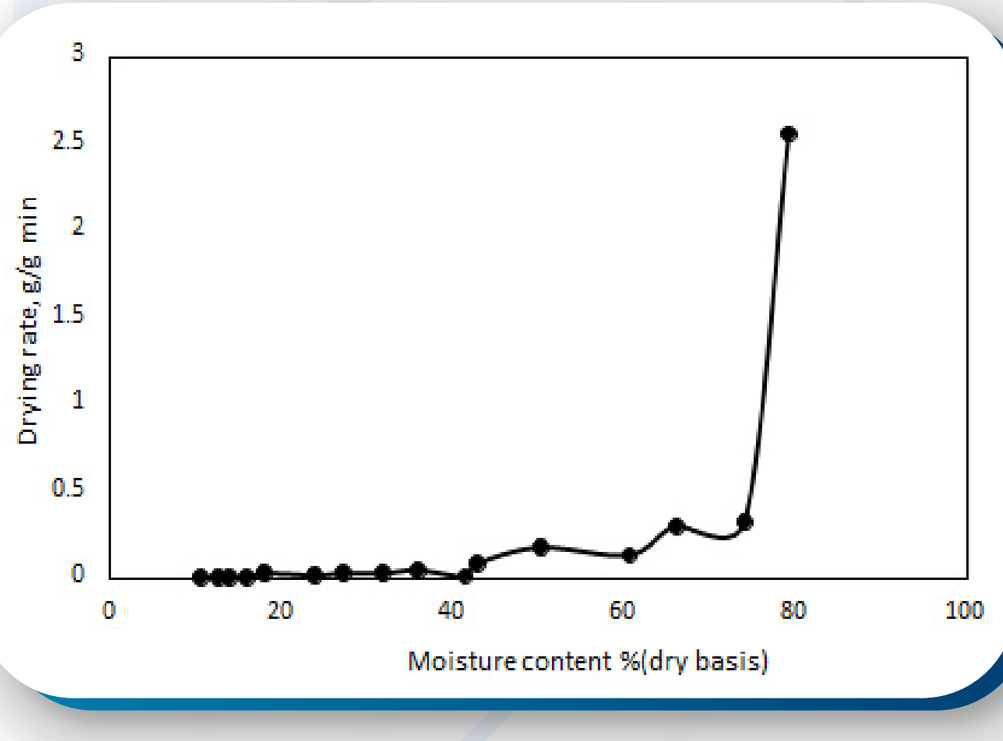
Fig1: a) Freeze dried ground sample; b) freeze dried slice sample; c) MW-Vacuum dried slice sample

Fig2: Freeze dried sample (right side) & MW-Vacuum dried sample (left side)

Sample	Ascorbic Acid Content (mg/g)	Retention %
Fresh	7.188	100
Freeze dried	7.097	90.58
Microwave-Vacuum dried	9.190	78.99

Drying Curve





OUR CLIENTS

United Surgical – experience the difference
Tetra Pak – PROTECTS WHAT'S GOOD
Products
Thermic Edge – Europe GmbH
AIS
الشركة الدولية للمواد الكيماوية ذ.م.م – Global Chemical Company L.L.C.
Sefton Farms
AERO FIBRE
KELVIN
TTCL
apicom automation pvt. ltd.
Essence of Africa – AGRICULTURE COMPANY
KAFFE BUENO
BOTANIK SOURCE
AMERICANPRECOAT – SMILE WITH SCIENCE
RADIANCE – COMPANY LIMITED
ACG
EST. M 1806 MELCHERS
Mahina-TST
Arora GROUP
ACG Worldwide
ACE – HEALTHY BITES
ABB
TENNECO
SVI
SENSACORE
ADITYA BIRLA – HINDALCO
SCION – INDUSTRIAL ENGINEERING Pvt. Ltd.
MULTIMETALS
KANCOR MANE
JK Cement LTD.
HitechMica
HITACHI – Inspire the Next
ALSTOM
General – Where Growth with Excellence is a way of Life
GEEKAY – INDUSTRIAL ENTERPRISES
GE
FPI – FUTURE PIPE INDUSTRIES
FUNSKOOL
FOSECO
ADITYA BIRLA GROUP
Ford
Fleetguard
Flamingo Pharmaceuticals Ltd.
Firmenich
FIAT
EXIDE – INDUSTRIES LIMITED

Vestas

heubach
COMPETENCE IN COLOR

HADEN
International Group

Hindustan Unilever Limited

Hitec
Pump

PREMIER SEALS
(INDIA) PVT LTD.

HP Pelzer
Automotive Systems, Inc.

GLAND
GLAND PHARMA LIMITED

MEDREICH

IFF

meil
Megha Engineering & Infrastructures Ltd

MTR
PURE AND PERFECT
SINCE 1924

TOP
Anil

SCR ELEKTRONIKS

Godrej

wipro

WOCKHARDT

ChemDist
PROCESS SOLUTIONS

Frontier
Alloy Steels Limited

DeVats

genix
automation INDIA

ADEPT IMPEX PRIVATE LIMITED
SPECIALITY INGREDIENTS AND ARTICHOKE SUPPLIER

GM

इंडियनऑयल
IndianOil

INDORE

inventia

IOT
IOT Infrastructure & Energy Services Limited

ISF

Jasubhai
ENGINEERING
AN ISO9000-2008 CERTIFIED COMPANY

Jay
JAY AGRO INDUSTRIES

JSW

Camlin
KOKUYO

SINCE 1947
KETKO
Engineered to perfection

komal

LARSEN & TOUBRO

LAVINO-KAPUR
BOTTOM FOR SURE - PRIME OF SPICES

m&m's

Marvel

REAL INSTANT FOODS

SAMSON

ADAMAS

Air Vision
Technologies Pvt. Ltd.

Amol Pharmaceuticals
PRIVATE LIMITED

Arvind

ATUL

BANCO
BANCO PRODUCTS (I) LTD.

CYBERNETIK
TECHNOLOGIES

Bharat
Petroleum
BHARAT PETROLEUM CORP. LTD.

DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

ESSAR

ENDURANCE
Complete Solutions

envirocare labs
Analysis and Beyond....

Dynetics

Dr.Reddy's

DPCL
Dujodwala Paper Chemicals Ltd

25 YEARS
DORF KETAL

deccan

Datt Mediproducts Pvt. Ltd.
Delivering Next-Gen Healing Solutions Globally

DAIKIN

DATWYLER

CUMI

CRANE

Cipla
Caring for life

CENTURY FOODS INTERNATIONAL

Camlin

Callisons

CAIRN
Energy for India

BSN medical

BKT
GROWING TOGETHER

BHUSHAN

हिन्दुस्तान पेट्रोलियम
HP

TATA
TATA STEEL BSL LIMITED
(Formerly known as Bhushan Steel Limited)

RALLIS INDIA LIMITED
A TATA Enterprise

Panda treats

TAKASAGO

Kento
Beyond The Boundaries of Taste

Materials Magic
Hitachi Metals

arbanox
Inspired from nature

Zydex
Innovating for Sustainability

JKCement

TENNECO

GFL
GUJARAT FLUOROCHEMICALS
VALUE THROUGH GREEN CHEMISTRY

PUROSIL

MIDHANI

tega
PARTNERSHIPS IN PRACTICE

SAFEWORLD

SOLARA
Active Pharma Sciences

RS
RudraSagar Silk Limited

KOEL
KOEL COLOURS PRIVATE LIMITED

safepack
SOLUTIONS
100 YEARS

SHI
Sunita Hydrocolloids Inc

SPECTRUM

RATIONAL LAB SOLUTIONS

SHAKTI POLYWEAVE PVT. LTD.

deccan
Fine Chemicals (India) Pvt. Ltd.

KOH-I-NUR

THANK YOU

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KRDC

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