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### About **PLANT LIPIDS.**

Plant Lipids is one of the largest producers of spice extracts, essential oils and natural food colours in the world. With a product portfolio ranging from oleoresins, essential oils, natural food colours, specialty extracts, micro - encapsulated products, whole and ground sterilised spices, we partner many leading names across the globe. Our name is synonymous with quality and reliability since 1979.

### PRESENCE ACROSS *the* **GLOBE**

Plant Lipids is truly a global company with direct operations in six countries and business in over eighty five countries around the world with eight manufacturing facilities in India and Sri Lanka.



Oleoresins

Essential Oils

Natural Food Colours

Super Critical Extracts

Encasulated Products

Speciality Extracts

Spices

### RESEARCH *and* **DEVELOPMENT**

Our Research and Development initiatives are driven by a proficient team of scientists focused on pioneering new products and their possibilities. We work closely with global and Indian pharmaceutical conglomerates, food and nutrition companies for end-to-end development of customized natural ingredients to suit their requirements.



### SUSTAINABILITY *and* **PLANT LIPIDS**

Sustainable development has always been our choice. Plant Lipids has been working closely with farming communities in sustainable business models for community and social development, ensuring farm to fork traceability. We've also made good ground in renewable energy and have been recognised in India for good environmental practices.





## *Essential Oils*

Essential Oils represent the aroma of spices and herbs. We present a wide range of natural essential oils with varying therapeutic uses produced in the most modern oil distillation plants. Tailor-made aroma extractives are prepared by regulating the condition of the steam distillation or Supercritical CO<sub>2</sub> extraction at the time of manufacture itself. Specialized products are produced by vacuum fractional distillation.

Plant Lipids has the following range  
of Spices and other Essential Oils:

|                |                   |              |
|----------------|-------------------|--------------|
| Ajowan Seed    | Curcuma Aromatica | Mace         |
| Baie Rose      | Curry Leaf        | Myrrh        |
| Black Pepper   | Davana            | Nutmeg       |
| Calamus        | Dill Seed         | Olibanum     |
| Cardamom       | Elemi             | Opoponax     |
| Cassia Bark    | Fennel Seed       | Palmarosa    |
| Celery Seed    | Galangal          | Parsley Seed |
| Cinnamon Bark  | Galbanum          | Rosemary     |
| Cinnamon Leaf  | Garlic            | Styrax       |
| Clove Bud      | Ginger            | Turmeric     |
| Clove Leaf     | Java Galangal     | Vetiver      |
| Coriander Seed | Juniper Berry     | White Pepper |
| Cumin Seed     | Lemon Grass       |              |





## Oleoresins

Oleoresins are used mainly as a flavouring agent in the food processing industry. They are more economical to use, consistent in quality and cleaner than equivalent ground spices.

We offer oleoresins in both, oil soluble and water soluble forms. Active principles and volatile oil levels can be adjusted within a range as per customer requirements. Plant Lipids is capable of supplying heat stable, light stable and pH dependent oleoresins.

### Our Range Of Oleoresins

|                   |                |               |              |
|-------------------|----------------|---------------|--------------|
| Anise Seed        | Clove Bud      | Ginger        | Oregano      |
| Asafoetida (Hing) | Cocoa          | Green Chilli  | Parsley Seed |
| Basil Leaf        | Coffee         | Green Ginger  | Pepper Long  |
| Big Cardamom      | Coriander Seed | Green Pepper  | Pimento      |
| Black Pepper      | Coriander Leaf | Java Galangal | Rosemary     |
| Capsicum          | Cumin Seed     | Juniper Berry | Sage         |
| Caraway Seed      | Curry Leaf     | Laurel Leaf   | Spearmint    |
| Cardamom          | Dates          | Lemongrass    | Star Anise   |
| Cassia Bark       | Dill           | Mace          | Tamarind     |
| Celery Leaf       | Fennel Seed    | Marjoram      | Thyme        |
| Celery Seed       | Galangal       | Nutmeg        | Turmeric     |
| Chilli            | Garlic         | Onion         | White Pepper |

### Extracts

|         |           |                  |               |
|---------|-----------|------------------|---------------|
| Chicory | Fenugreek | St. John's Bread | Valerian Root |
|---------|-----------|------------------|---------------|



## *Speciality extracts*

We have mastered the art of extracting from garden fresh spices for aromas of "Fresh", "Roasted" and "Fried" spices. These are unique and standardized. They are also capable of stimulating the olfactory and taste senses.

### *Fresh Extractives*

Coriander Leaf  
Curry Leaf  
Garlic  
Ginger  
Green Chilli  
Onion  
Pepper

### *Roasted Extractives*

Coriander  
Cumin  
Fennel  
Fenugreek  
Garlic  
Onion

### *Fried Extractives*

Chilli  
Coriander  
Cumin  
Curry Leaf  
Garlic  
Onion

### *Super Critical Extracts*

Black Pepper  
Cardamom  
Cinnamon

Cumin  
Ginger  
Mace

Nutmeg  
White Pepper





## *Natural food colours*

All Natural Food Colours produced at Plant Lipids are subjected to approval as per global standards for safety of Food, Cosmetic and Drug authorities across continents.

Natural Food Colours find their use in food for enhancing the appearance and the appeal of processed food preparations. Plant Lipids range of natural food colours include orange-red, yellow, orange, green, pink, carmine replacement, etc. Our heat/light stable, pH dependent natural colours finds its use as an alternative for harmful artificial colourants.

Our source of natural colours are  
from the following  
spices/vegetables

Annatto

Carmine

Chlorophyll

Curcumin

Marigold

Paprika

Spinach

Spirulina

Turmeric







# *Encapsulated products*

The finest source of spice and floral extracts with technical expertise complemented by state-of-the-art manufacturing facilities makes Plant Lipids second to none in micro-encapsulated products. Our spray dried products find its unique application in the food, beverage, pharmaceutical and nutraceutical industry worldwide.

## Our Range Of Encapsulated Products

|              |                    |              |            |
|--------------|--------------------|--------------|------------|
| Ajowan       | Cinnamon           | Ginger       | Onion      |
| Annatto      | Clove              | Green Chilli | Orange     |
| Asafoetida   | Copper Chlorophyll | Green Ginger | Oregano    |
| Basil        | Coriander          | Green Tea    | Paprika    |
| Black Pepper | Cumin              | Kaffir Lime  | Rosemary   |
| Capsicum     | Curry Leaf         | Lemon        | Sage       |
| Caraway      | Fennel             | Lemon Grass  | Tea Masala |
| Cardamom     | Garden Mint        | Lime         | Thyme      |
| Celery       | Garlic             | Nutmeg       | Turmeric   |



# Spices

Crushed – Flaked – Ground

*Steam / ETO / Irradiated Sterilised and Non-Treated Products*



Black Pepper



Cardamom



Cassia



Cinnamon



Coriander



Cumin



Clove



Fenugreek



Fennel



Ginger



Mace



Nutmeg



Red Pepper/  
Red Chilli



Turmeric



White Pepper



*Plant Lipids (P) Ltd., Condiments Division, Kolenchery, Cochin – 682 311, Kerala State, INDIA*





## *CO<sub>2</sub> Extracts*

- Eco-friendly green process
- Solvent-Free & Clean-Label Products.
- Decreases the risk of damage of thermolabile compounds
- Avoids loss of aroma and degradation of actives.
- Replicating original taste of the original spice on botanical

### Oils

|              |           |        |              |
|--------------|-----------|--------|--------------|
| Black Pepper | Celery    | Cumin  | Nutmeg       |
| Caraway      | Cinnamon  | Fennel | Rosemary     |
| Cardamom     | Clove     | Ginger | Turmeric     |
| Cassia       | Coriander | Mace   | White Pepper |

### Extracts

|              |           |          |              |
|--------------|-----------|----------|--------------|
| Black Pepper | Celery    | Fennel   | Paprika      |
| Capsicum     | Cinnamon  | Ginger   | Turmeric     |
| Caraway      | Clove     | Mace     | Vanilla      |
| Cardamom     | Coriander | Marigold | White Pepper |
| Cassia       | Cumin     | Nutmeg   |              |