



# LECITHIN FILTRATION

## APPLICATION OF LECITHIN

1. Food Additive
2. Dietary supplement
3. Compatibility with special diets etc.



## OBJECTIVE

To establish an effective filtration step required for removal of hexane insoluble impurities from Lecithin.

## RESULT

Using MICROFILT system, hexane insoluble impurity get decreased up to the acceptable limit.

## PRODUCT DETAILS

- Lecithin is a mixture of phospholipids in oil.
- It has low solubility in water.
- It is obtained by degumming the extracted oil of the seeds.
- Hexane insoluble present in inlet 0.6-0.8% and required up to less than 0.1% in outlet of filter.

MODEL	FLOW RATE (ton/hrs)
MAS 540	1
MAS 801	2.5
MAS 1602	5

## STRATEGY ADOPTED

1. MAS followed by bag filter was used for highly viscous, sticky liquid.

## CUSTOMER DELIGHT

1. Reduced the hexane insoluble content value added.
2. Better price realization in international market.



## About Us



*“Most Filtration problems have simple solutions. You are only limited by your ability to be dedicated, persistent and passionate in your quest for the solution. In filtration, most of the times, the solutions are very simple and cost-effective.”*

**-Magan Khakharia,**

Managing Director,  
Chemical Engineer, UDCT Mumbai

- Microfilt is built upon the vision of providing customized microfiltration solutions.
- Offer complete filtration solution for various market segments like Pharmaceuticals, Biotech, Fine & Speciality chemicals, Colour & Coating, Food & Beverages, Healthcare and Mineral Oil.
- Microfilt provides standard & customized filtration equipments since more than 2 decades.
- More than 10,000 equipments installed worldwide till date.
- We have well setup of filtration laboratory with all filtration equipments cater to various technology for solving the complex filtration problems and R & D studies.



Our key strength is in analyzing filtration problems, finding solutions and designing systems which are simple, reliable and cost effective.



 **MICROFILT**  
“SINCE 1994 at your service”

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