

POMEGRANATE SEED OIL

INTRODUCTION



PSO is a yellow-coloured oil with a slight Odor. It has been acknowledged as biodiesel, lubricant, or an additive in paint formulations. In recent years the applications were extended to nutritional, pharmaceutical, and cosmetic purposes.

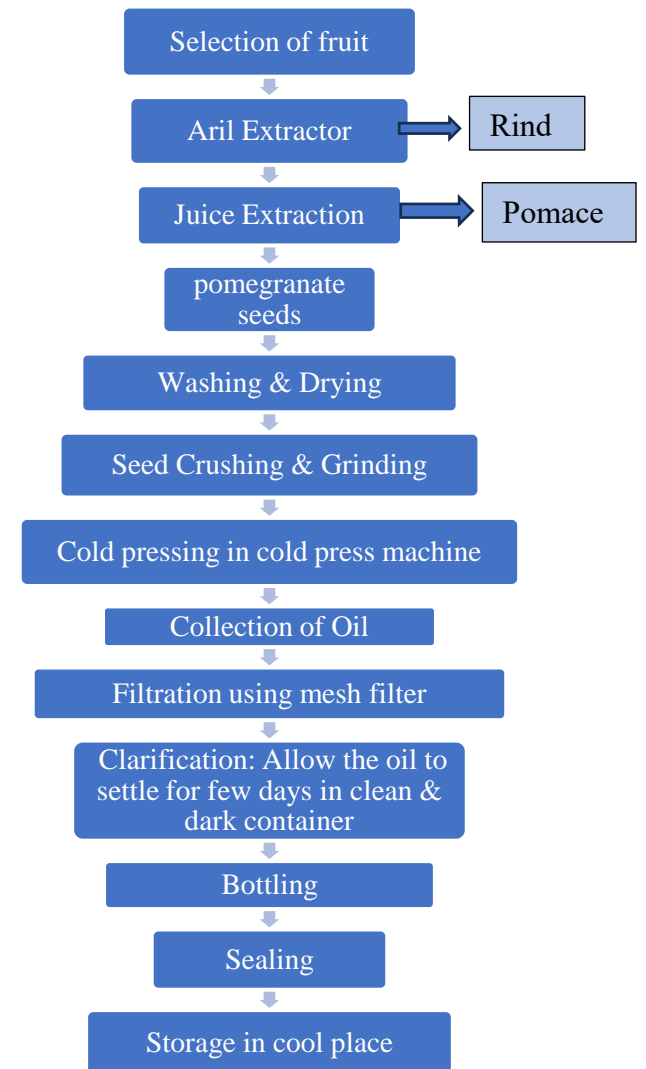
RAW MATERIALS

Pomegranate seed

FSSAI STANDARDS

Parameter	Range
Peroxide Value	≤ 10 meq O ₂ /kg
Acid Value	≤ 4.0 mg KOH /g
Moisture	$\leq 1.5\%$

PROCESS FLOWCHART



PACKAGING AND STORAGE



Plastic Jar



Glass Jar with dropper

EQUIPMENTS AND MACHINERIES



Peeling machine



Juice extractor



Dryer



Oil extractor

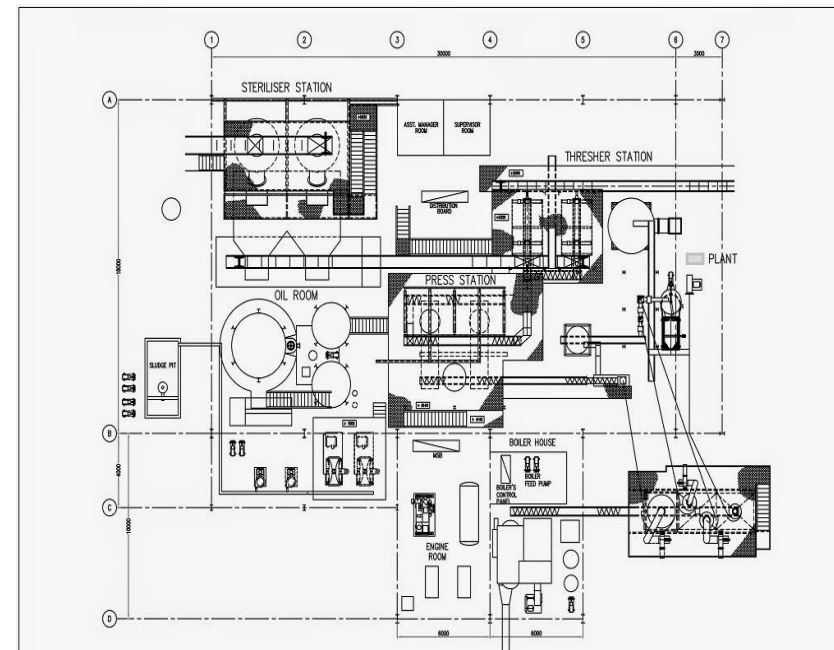


Filtration unit



Filtration Bottling machine

PLANT LAYOUT



IMPORTANT LINKS

Video link: For more information

<https://youtu.be/xDZu4AZSglk?si=C7oKN31mjgiz6pkz>

(Pomegranate Deseed machine)

https://youtu.be/dJ_6HIyqoDs?si=4B_9H0wlfamvLhSr

(Pomegranate seed oil extraction)

<https://youtu.be/vkSxzPqbcNg?si=rkH2AbAXyhSQtfsh>

(pomegranate processing technologies ICAR-NRCP Solapur)