



Lemongrass Oil

Common Name:	Lemongrass
Botanical Name:	<i>Cymbopogon flexuosus (D. C.) Stapf.</i>

Source:	Cultivated
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Introduction / Variety of plant / Method of extraction / Distilled organ:	Lemongrass oil is obtained by steam distillation of partially wilted leaves of <i>Cymbopogon flexuosus (D. C.) Stapf.</i>
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1. Organoleptic Properties	
Appearance	Fluid liquid.
Color	Deep yellow to orange-brown.
Aroma	Fresh-grassy lemon-type.

2. Physico-chemical Properties	
Specific gravity	0.8725 to 0.8965 at 25° C
Optical rotation	[-] 1.25° to [-] 5° at 25° C.
Refractive index	1.4850 to 1.4936 at 25° C
Acid number	2 to 10
Ester number	15 to 40
Ester number after acetylation	220 to 260
Solubility	Soluble in 0.5 to 1.5 vol. of 80% alcohol
Aldehyde content	70 to 85% (Hydroxylamine hydrochloride method)

3. Uses	
(a) In flavors, cosmetics and perfumery.	
(b) Medicinal & Aromatherapy use: Athlete's foot, insect repellent, scabies, muscular aches and pains, poor circulation, insufficient milk in breast feeding mothers, colitis, indigestion, fevers, infections illness, headaches, nervous exhaustion and other stress related disorders.	