



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	LEMONGRASS OIL
BOTANICAL NAME:	CYMBOPOGON FLEXUOSUS
INCI NAME:	CYMBOPOGON SCHOENANTHUS OIL
CAS #:	8007-02-1
COUNTRY OF ORIGIN:	INDIA
LOT #	SHI-LGEO-0119-5
MANUFACTURING DATE	01/19
EXPIRY DATE:	01/22

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	YELLOW TO LIGHT BROWN LIQUID
ODOR:	VERY STRONG AND STIMULATING CHARACTERISTIC LEMON LIKE ODOR
SOLUBILITY:	SOLUBLE IN ALCOHOL AND OILS. INSOLUBLE IN WATER.
SPECIFIC GRAVITY:	0.852 – 0.905 @ 20 °C
OPTICAL ROTATION:	-4.00° - +1.00° @ 20 °C
REFRACTIVE INDEX:	1.483-1.489 @ 20 °C
FLASH POINT	71 °C
EXTRACTION METHOD:	STEAM DISTILLATION OF GRASS
ACTIVE CONSTITUENT	TOTAL CITRAL : < 80%