

Common Soapy Oils and their specifications

Oils → Fatty Acids ↓	Coconut Oil	Mowrah	Rice Barn Oil	Palm Oil	Castor Oil	Neem Oil	Groundnut Oil
Lauric $C_{12}H_{24}O_2$	48						
Myristic $C_{14}H_{28}O_2$	17.3						
Palmitic $C_{16}H_{32}O_2$	8.8	24	17	42.5		14	7
Stearic $C_{18}H_{36}O_2$	2	19	2.7	4	0.3	19	5
Oleic $C_{18}H_{34}O_2$	6	43	45	43	8.2	49	60
Linoleic $C_{18}H_{32}O_2$	2.5	14	27.7	9.5	3.6	16	21
Linolenic $C_{18}H_{30}O_2$							
Ricinoleic $C_{18}H_{34}O_3$					87.6		
Iodine Value	10	62 to 70	92 to 109	50	85	69 to 72	90
Sap Value	252 to 260	188 to 192	183 to 194	196 to 206	177 to 187	190 to 204	189 to 193
Titer C	20 to 23	38 to 42	26.9	38 to 47	3	35 to 36	28 to 32