



Certificate of Analysis (Representative Sample Certificate)

Product Name: Oleic Acid
INCI Name: Oleic Acid
CAS Number: 112-80-1

<u>Characteristic</u>	<u>Specification</u>	<u>Typical Results</u>	<u>SOP Ref.</u>
Appearance Description	Clear, yellow liquid		4.01
Acid Value (AV)	196 ≤ Result ≤ 208	201 mg KOH/g	1.20
Lovibond 5 1/4 " (Yellow)	≤ 20.0	6.4	1.05
Lovibond 5 1/4" (Red)	≤ 2.5	0.9	1.05
Gardner Color	≤ 3	1	1.05
C14		2.3 %	1.09
C14.1		0.5 %	1.09
C16		4.4 %	1.09
C16.1		4.5 %	1.09
C18		1.2 %	1.09
C18.1		70.3 %	1.09
C18.2		11.9 %	1.09
C18.3		0.7 %	1.09
C20		0.0 %	1.09
Iodine Value (IV)	≤ 105	94 g I/100g	1.20
Moisture	≤ 0.25	0.01 %	1.20
Odor: Characteristic, no foreign odor		Pass	5.10
Titre Point	≤ 10	5 Celsius	5.13

*Saponification Value is calculated as $SV=AV+2$;
Typical specific gravity: 0.9 g.mL @20° C*

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