

## Mixed Vegetable Fatty Acid for technical applications Product Data Sheet

Item number: 40-022

### Analyses

(conducted on November 28<sup>th</sup>, 2012)

Free Fatty Acid mol. Weight (ISO 660, cold solvent)	%	40.28
Impurities (ISO 663)	%	1.3
Ash at 750 °C	%	0.01
Slip-melting Point (ISO 6321 : 2002)	°C	6.7
Moisture (Karl Fischer, ISO 8534)	%	0.95
NO <sub>2</sub> (calculated from total N)	mg / kg	1,800

### Calorific Value:

Gross heat of combustion (SS 187 182)	MJ / kg	40.4
Net heat of combustion (SS 187 182)	MJ / kg	37.7

### Fatty acid composition

(according to NEN-EN-ISO 12966-2 and NEN-EN-ISO 5508)

C 8	Caprylic acid	%	0.8
C 10	Capric acid	%	0.7
C 12	Lauric acid	%	1.5
C 14	Myristic acid	%	1.9
C 16	Palmitic acid	%	17.7
C 16:1	Palmitoleic acid	%	1.6
C 17	Margaric acid	%	0.3
C 17:1	Heptadecenoic acid	%	0.4
C 18	Stearic acid	%	9.7
C 18:1	Oleic acid	%	39.6
C 18:2	Linoleic acid	%	17.7
C 18:3	Linolenic acid	%	2.5
C 20	Arachidic acid	%	0.5
C 20:1	Gadoleic acid	%	1.1
C 20:2	Eicosadienoic acid	%	0.1
C 22	Behenic acid	%	1.9
C 22:1	Erucic acid	%	0.3
C 24	Lignoceric acid	%	0.6
C 24:1	Nervonic acid	%	1.1