



**MIXED VEGETABLE FATTY ACID FOR TECHNICAL APPLICATION.**

**Ref. WL4**

QUANTITY:-.300 / 1000tons: month

**CERTIFICATE OF ANALYSIS**

Analysis conducted 23/11/2012

Free fatty acid. Mol. Weight 282 ( ISO 660, cold solvent ) 40,28 %  
Impurities ( ISO 663 ) 1,30 %

**Fatty acid composition ( NEN-EN-ISO 12966-2 & 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 %

**CERTIFICATE OF ANALYSIS**

Analysis conducted 28/11/2012

**Fatty acid composition ( NEN-EN-ISO 12966-2 & NEN-EN-ISO 5508 )**

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 %

Ash at 750 ° C	0,01 %
Slip-melting Point ( ISO 6321: 2002	6,7 °C
Moisture ( Karl Fischer ) ISO 8534)	0,95 %
NO2 ( Calculated from total N )	1800 mg/kg

**Calorific Value**

Gross Heat of Combustion ( SS 187 182 )	40,4 MJ/kg
Net Heat of Combustion ( SS 187 182 )	37,7 MJ/kg