Appendix C   Equation for calculation of fatty acid components in VCO

Determination of the correction factor was done using a chromatogram derived from the analysis of the fatty acid methyl ester (FAME) standard under operating conditions that are identical to those used for the sample using below equation.

$$K_i = \frac{m_i \times \sum A_i}{A_i \times \sum m_i}$$

Weight percentage of the component,

$$i = \frac{K_i \times A_i \times 100}{\sum (K_i \times A_i)}$$

Where,

K_i = correction factor of component I,

m_i = weight percentage of component i in the FAME standard solution,

A_i = area under the peak corresponding to component i.