Fera Science Ltd (Fera)
Sand Hutton, York, YO41 1LZ
Tel: +44 (0)1904 462100 Fax: +44(0)1904 500440
info@fapas.com www.fapas.com

FAPAS QC MATERIAL DATA SHEET	T2651QC
Matrix	Vegetable Oil
Weight / Volume of Contents	50ml

Analyte	Assigned Value, X_a	Range for |z| ≤2	Units	No. of data points producing X_a
3-MCPD Esters	304	188 - 420	µg/kg	53
Glycidyl Esters (Ester-bound Glycidol)	122	68 - 176	µg/kg	49
2-MCPD Esters	109	61 - 157	µg/kg	38

This data sheet is applicable until	16 Sep 2018
Recommended Storage on receipt	+4°C

Notes

- Mix the QC material thoroughly before taking a representative analytical sample
- The assigned value has been derived from the consensus of laboratories taking part in this proficiency test, using a variety of methods. This is not a certified reference value.
- The Range for |z| ≤2 is the concentration range within the limits of ±2 z-scores. The assigned value and its range have been established from the proficiency test data and are suitable for use by laboratories as a fit-for-purpose quality control measure.
- Stability of the QC material has been established as sufficient for the scope of the proficiency test from previous experience, expert advice and published literature. FAPAS advises that the QC material is analysed within the recommended date. FAPAS QC materials are intended to be used as single-analysis samples.
- Full details on the proficiency test procedure used to characterise this QC material are available in the Protocol, Part 1 - Common Principles, freely available to download from the FAPAS website.
- Ester-bound 3-monochloropropane-1,2-diol (3-MCPD Esters) is the sum of all monoesters and diesters of 3 MCPD with different fatty acids. Ester-bound Glycidol (Glycidyl Esters) is the sum of all esters of Gylcidol with different fatty acids. Ester-bound 2-monochloro-1,3-propanediol (2-MCPD Esters) is the sum of all monoesters and diesters of 2 MCPD with different fatty acids. You may use any method of analysis you wish.