

Reference Material and Inter-laboratory Quality Control Materials Product Summary

August 2017

Version: 1

Assigned Values: Values provided have been generated from an Inter-Laboratory Proficiency Programme (ILPP). The reference material values provided in this summary are the mean of the results after the exclusion of statistical outliers. The Assigned Range provided for the Inter-laboratory QC Materials is the range of test values available for purchase. Each Reference and QC Material comes with a Data Summary Sheet.

Missing Values and Available Tests: For Reference Materials where property values do not meet the statistical criteria, the summary values have not been provided. For this reason, not all tests will be available for every Reference Material of the same matrix. However, if there are 3 or more data points available, an Assigned Value will be provided with the corresponding QC material.

Sample Sizes: Available sample sizes are shown for reference materials.

Note: When ordering QC materials, please quote both the Product ID AND the process run

QC Material: Fat - Margarine

Matrix: Fat	Product ID	7749-QC
	Process Run	PR5624
	Expiry Date	19 Oct 17
	Sample Size(s)	300g
	Acid Value (mg KOH/g)	0.240
	Drop Point (°C)	43.2
	Free Fatty Acid as oleic (%)	0.110
	Iodine Value	45.0
	Moisture (%)	15.8
	GC Profile - % cis Monos	39.8
	GC Profile - % cis Polys	2.31
	Peroxide Value (meq)	5.66
	Colour - Red by Lovibond	3.00
	GC Profile - % Saturates	52.3
	Solid Fat Content at 10° C (%)	54.6
	Solid Fat Content at 30° C (%)	18.5
	GC Profile - % Trans	4.99
	Colour - Yellow by Lovibond	31.0

QC Material: Fat - Vegetable Shortening

Matrix: Fat	Product ID	7748-QC
	Process Run	PR5624
	Expiry Date	19 Oct 17
	Sample Size(s)	300g
	Acid Value (mg KOH/g)	0.260
	Drop Point (°C)	43.5
	Free Fatty Acid as oleic (%)	0.130
	Iodine Value	46.7
	Moisture (%)	0.0335
	GC Profile - % cis Monos	36.3
	GC Profile - % cis Polys	8.01
	Peroxide Value (meq)	2.90
	Colour - Red by Lovibond	2.00
	GC Profile - % Saturates	54.0
	Solid Fat Content at 10° C (%)	61.0
	Solid Fat Content at 30° C (%)	16.1
	GC Profile - % Trans	1.74
	Colour - Yellow by Lovibond	20.0

QC Material: Vegetable Oils - Canola Oil

Matrix: Vegetable Oils	Product ID	7953-QC
	Process Run	PR5363
	Expiry Date	16 Aug 17
	Sample Size(s)	250mL
	Acid Value (mg KOH/g)	0.0400
	GC FAME Profile - % C 18:1	62.6
	GC FAME Profile - % C 18:2	20.0
	GC FAME Profile - % C 18:3	8.48
	Free Fatty Acid as oleic (%)	0.0300
	Iodine Value	113
	Moisture (%)	0.0600
	GC Profile - % cis Monos	64.0
	GC Profile - % cis Polys	27.9
	Peroxide Value (meq)	16.2
	Colour - Red by Lovibond	0.950
	GC Profile - % Saturates	7.30
	GC Profile - % Trans	0.940
	Colour - Yellow by Lovibond	10.0

QC Material: Vegetable Oils - Olive Oil

Matrix: Vegetable Oils	Product ID	8587-QC
	Process Run	PR5740
	Expiry Date	15 Dec 17
	Sample Size(s)	250mL
	Acid Value (mg KOH/g)	0.320
	GC FAME Profile - % C 18:1	74.4
	GC FAME Profile - % C 18:2	7.90
	GC FAME Profile - % C 18:3	0.700
	Free Fatty Acid as oleic (%)	0.160
	Iodine Value	81.2
	Moisture (%)	0.0700
	GC Profile - % cis Monos	75.3
	GC Profile - % cis Polys	8.70
	Peroxide Value (meq)	6.70
	Colour - Red by Lovibond	2.60
	GC Profile - % Saturates	15.8
	Colour - Yellow by Lovibond	65.0

QC Material: Vegetable Oils - Rice Bran Oil

Matrix: Vegetable Oils	Product ID	8458-QC
	Process Run	PR5740
	Expiry Date	15 Dec 17
	Sample Size(s)	250mL
	Acid Value (mg KOH/g)	0.390
	GC FAME Profile - % C 18:1	41.6
	GC FAME Profile - % C 18:2	34.0
	GC FAME Profile - % C 18:3	1.10
	Free Fatty Acid as oleic (%)	0.175
	Iodine Value	98.7
	Moisture (%)	0.0900
	GC Profile - % cis Monos	42.3
	GC Profile - % cis Polys	34.1
	Peroxide Value (meq)	4.80
	Colour - Red by Lovibond	3.90
	GC Profile - % Saturates	22.1
	GC Profile - % Trans	1.60
	Colour - Yellow by Lovibond	41.5

QC Material: Vegetable Oils - Sunflower Oil

Matrix: Vegetable Oils	Product ID	7952-QC
	Process Run	PR5740
	Expiry Date	15 Dec 17
	Sample Size(s)	250mL
	Acid Value (mg KOH/g)	0.120
	GC FAME Profile - % C 18:1	37.9
	GC FAME Profile - % C 18:2	51.7
	GC FAME Profile - % C 18:3	0.195
	Free Fatty Acid as oleic (%)	0.0600
	Iodine Value	123
	Moisture (%)	0.0600
	GC Profile - % cis Monos	38.2
	GC Profile - % cis Polys	51.5
	Peroxide Value (meq)	18.0
	Colour - Red by Lovibond	0.550
	GC Profile - % Saturates	9.80
	GC Profile - % Trans	0.595
	Colour - Yellow by Lovibond	6.00