Inter-laboratory Quality Control Material Data Sheet

QC Material ID: 17942-QC-PR13038

Product Type: Sunflower Oil

Issue Date: 3 September 2026

Expiry Date: 2 March 2027

Test Name	n Values	Assigned Value	Assigned Range
Acid Value (mg KOH/g)	4 *	0.0723	0.0284 - 0.116
Free Fatty Acid as oleic (%)	6 *	0.0342	0.00616 - 0.0622
GC FAME Profile - % C18:1	6 *	30.7	30.1 - 31.3
GC FAME Profile - % C18:2	7 *	57.4	56.2 - 58.6
GC FAME Profile - % C18:3	7 *	0.379	0.346 - 0.411
GC Profile - % cis Monos	6 *	30.9	30.2 - 31.7
GC Profile - % cis Polys	7 *	57.6	56.6 - 58.7
GC Profile - % Saturates	7 *	11.1	10.5 - 11.7
GC Profile - % Trans	7 *	0.261	0.174 - 0.349
Iodine Value	7 *	127	126 - 128
Moisture (%)	4 *	0.0640	0.0453 - 0.0827

** n Values < 8 are indicative only and should be used with caution*

Description: 200 mL packaged in amber plastic bottle

Homogeneity: This QC material has been assessed as homogeneous for use in an Inter-Laboratory Proficiency Study

Stability: An expiry period consistent with the shelf life of the product, experience, and technical advice has been applied

Storage: Once opened, samples are subject to oxidation and evaporation. Keep sealed and store refrigerated after use (ap prox. 4°C).

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Values: The *Assigned Value* is the consensus mean from an inter-laboratory proficiency round excluding outliers; *n Values* are the number of results used to calculate the assigned value. The *Assigned Range* is 2 standard deviations of *n Values*.

Methods: Multiple methods were used in the preparation of these assigned values.

