

FAPAS QC MATERIAL DATA SHEET	T19465QC
Matrix	Sesame Seeds
Weight / Volume of Contents	50 g

Analyte	Assigned Value, X_a	Range for $ z \leq 2$	Units	No. of data points producing X_a
Bifenthrin (sum of isomers)	49.0	27.4 - 70.6	µg/kg	9
Bupirimate	110	62 - 158	µg/kg	12
Chlorfenapyr	135	77 - 193	µg/kg	10
Dimethoate	150	86 - 214	µg/kg	12
Diuron	183	108 - 259	µg/kg	12
Endosulfan II (beta)	36.2	20.3 - 52.1	µg/kg	9
Fenvalerate (sum of constituent isomers in any ratio including esfenvalerate)	45.3	25.3 - 65.2	µg/kg	8
HCH-G (gamma hexachlorocyclohexane / lindane)	67.5	37.8 - 97.2	µg/kg	9
Isoproturon	94.0	52.6 - 135.4	µg/kg	11
Metribuzin	151	86 - 215	µg/kg	10
Quinalphos	81.2	45.5 - 116.9	µg/kg	9

This data sheet is applicable until	04 Jun 2027
-------------------------------------	-------------

Recommended Storage on receipt	-20°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 $|z| \leq 2$ 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.