

Fapas® REFERENCE MATERIAL DATA SHEET	TDV014RM
Matrix	Milk Powder
Weight / Volume of Contents	50 g
Description of material: Whole milk powder purchased from a retail source. All analytes were spiked into the test material.	

Analyte	Reference Value	Expanded uncertainty U ($k = 2$)	Units	No. of data points producing Reference Value
Bixafen	81.6	± 6.0	µg/kg	6
Endosulfan I (alpha)	23.0	± 2.2	µg/kg	13
Endosulfan II (beta)	25.0	± 1.1	µg/kg	13
Endrin	31.0	± 2.0	µg/kg	11
Etofenprox	51.3	± 7.1	µg/kg	8
Etoazole	67.0	± 16.4	µg/kg	9
Fenitrothion	60.5	± 8.6	µg/kg	10
Fipronil-sulfone	65.0	± 6.6	µg/kg	11
Fluvalinate (tau)	73.0	± 5.9	µg/kg	12
Haloxyfop (free acid)	81.5	± 8.3	µg/kg	6
Pirimicarb (desmethyl)	85.6	± 5.0	µg/kg	6
PCB 28	36.0	± 5.1	µg/kg	6
Chlorate	187	± 23	µg/kg	11
Perchlorate	184	± 20	µg/kg	11

Date reference values were generated	09/02/2026
Reference values are valid until	09/02/2028
Recommended storage conditions on receipt	-20°C
This material was approved on behalf of Fapas® by	Jessica Choi

Notes
<ul style="list-style-type: none"> Mix the reference material thoroughly before taking a representative analytical sample. It is intended to be used as a single-analysis sample (plus confirmation) for analytical quality control purposes, method verification and as a characterised positive control sample. The recommended minimum analytical sub-sample size is 1 g. This is a reference material, not a certified reference material. This reference material has been produced according to the principles of ISO 17034:2016. The characterised reference values have been derived from the results consensus of ISO 17025 accredited laboratories in an interlaboratory comparison, using a variety of methods. The traceability is inherent in the accreditation status of the results used. The Expanded Uncertainty U corresponds to a confidence level of about 95%. U has been derived from the observed standard deviation of the consensus data (the major component) plus contributions from homogeneity and stability studies. U corresponds to real-world uncertainty of the analysis in a food matrix, not of a pure substance.

- The stability of the reference material has been established from a formal study. The stability components combine long term (ideal storage) and short term stability (transportation) conditions. The validity date may be extended if supporting data becomes available.