



FAPAS QC MATERIAL DATA SHEET	T18120QC
Matrix	Infant Formula
Weight / Volume of Contents	50g

Analyte	Assigned Value, X_a	Range for $ z \leq 2$	Units	No. of data points producing X_a
Calcium	4824	4394 - 5255	mg/kg	86
Copper	3.56	2.62 - 4.50	mg/kg	76
Iodine	1.21	0.84 - 1.59	mg/kg	45
Iron	61.3	50.8 - 71.9	mg/kg	86
Magnesium	317	274 - 360	mg/kg	86
Manganese	1.95	1.39 - 2.52	mg/kg	72
Molybdenum	90.6	50.8 - 130.5	$\mu\text{g/kg}$	32
Phosphorus	2852	2576 - 3128	mg/kg	74
Potassium	6584	6023 - 7145	mg/kg	85
Selenium	289	178 - 401	$\mu\text{g/kg}$	56
Sodium	2476	2232 - 2720	mg/kg	87
Zinc	33.4	27.1 - 39.7	mg/kg	84

This data sheet is applicable until	20 Apr 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.
- You may use any method of analysis you wish.