

FAPAS QC MATERIAL DATA SHEET	T1898QC
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	5351	4881 - 5821	mg/kg	85
Copper	3.70	2.73 - 4.68	mg/kg	76
Iodine	1383	962 - 1805	$\mu\text{g/kg}$	38
Iron	74.2	61.8 - 86.6	mg/kg	86
Magnesium	505	441 - 568	mg/kg	83
Manganese	0.621	0.408 - 0.834	mg/kg	67
Phosphorus	2907	2627 - 3187	mg/kg	73
Potassium	5389	4916 - 5862	mg/kg	80
Selenium	125	70 - 179	$\mu\text{g/kg}$	50
Sodium	1709	1530 - 1887	mg/kg	82
Zinc	52.3	43.1 - 61.5	mg/kg	86

This data sheet is applicable until	08 Jan 2023
Recommended Storage on receipt	-20°C
Notes	
<ul style="list-style-type: none"> • 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. 	