

FAPAS QC MATERIAL DATA SHEET	T1895QC
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	2811	2539 - 3083	mg/kg	110
Copper	4.13	3.07 - 5.20	mg/kg	95
Iodine	1213	836 - 1590	$\mu\text{g/kg}$	37
Iron	50.1	41.2 - 59.0	mg/kg	111
Magnesium	503	440 - 567	mg/kg	101
Manganese	1.10	0.75 - 1.45	mg/kg	82
Phosphorus	1663	1489 - 1838	mg/kg	89
Potassium	4742	4317 - 5166	mg/kg	92
Selenium	146	84 - 209	$\mu\text{g/kg}$	59
Sodium	1845	1655 - 2035	mg/kg	106
Zinc	50.9	41.9 - 60.0	mg/kg	106

This data sheet is applicable until	28 Feb 2022
Recommended Storage on receipt	-20°C
Notes	
<ul style="list-style-type: none"> <li>• Mix the QC material thoroughly before taking a representative analytical sample</li> <li>• 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.</li> <li>• The Range for <math> z  \leq 2</math> is the concentration range within the limits of <math>\pm 2</math> 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.</li> <li>• 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.</li> <li>• 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.</li> <li>• You may use any method of analysis you wish.</li> </ul>	