

FAPAS QC MATERIAL DATA SHEET	T1897QC
Matrix	Milk Powder
Weight / Volume of Contents	50g

Analyte	Assigned Value, X_a	Range for $ z \leq 2$	Units	No. of data points producing X_a
Calcium	1243	1147 - 1339	mg/100g	98
Iodine	0.911	0.616 - 1.207	mg/kg	33
Magnesium	1120	996 - 1245	mg/kg	89
Phosphorus	996.3	916.6 - 1076.1	mg/100g	73
Potassium	1675	1551 - 1799	mg/100g	90
Selenium	124	70 - 178	$\mu\text{g/kg}$	51
Sodium	410	373 - 448	mg/100g	93
Iron	1.83	1.29 - 2.36	mg/kg	71
Copper	0.371	0.233 - 0.509	mg/kg	70
Zinc	38.0	31.0 - 45.1	mg/kg	89
Manganese	0.229	0.138 - 0.320	mg/kg	62
Molybdenum	0.434	0.276 - 0.591	mg/kg	42

This data sheet is applicable until	21 Jul 2023
Recommended Storage on receipt	Ambient
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. 	