



FAPAS QC MATERIAL DATA SHEET	T10199QC
Matrix	Dairy Ration
Weight / Volume of Contents	225g

Analyte	Assigned Value, X_a	Range for $ z \leq 2$	Units	No. of data points producing X_a
Moisture	10.4	9.4 - 11.4	g/100g	22
Ash	6.30	5.92 - 6.69	g/100g	21
Total Oil	4.19	3.53 - 4.85	g/100g	15
Protein	17.0	16.2 - 17.8	g/100g	23
Crude Fibre	5.62	4.58 - 6.67	g/100g	19
Iron	104	88 - 121	mg/kg	11
Magnesium	1780	1595 - 1965	mg/kg	11
Manganese	49.8	41.0 - 58.7	mg/kg	11
Selenium	210	125 - 294	$\mu\text{g}/\text{kg}$	6

This data sheet is applicable until	20 Apr 2027
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. • Please be aware that analysis for total oil must include acid hydrolysis. For all other analytes you may use any method you wish.