

FAPAS QC MATERIAL DATA SHEET	T14215QC
Matrix	Infant Formula
Weight / Volume of Contents	50g

Analyte	Assigned Value, $X_a$	Range for $ z  \leq 2$	Units	No. of data points producing $X_a$
Total Fat	18.24	17.38 - 19.09	g/100g of sample	57
Saturates	4.72	4.25 - 5.20	g/100g of sample	63
Mono-unsaturates	7.80	7.02 - 8.58	g/100g of sample	57
Poly-unsaturates	4.59	4.13 - 5.04	g/100g of sample	56
Total Trans Fatty Acids	94.9	32.3 - 157.5	mg/100g of sample	47
Linoleic Acid (C18:2 n-6)	3.64	3.27 - 4.00	g/100g of sample	60
alpha-Linolenic Acid (ALA, C18:3 n-3)	0.616	0.555 - 0.678	g/100g of sample	60
Arachidonic Acid (ARA, C20:4 n-6)	11.3	8.8 - 13.8	mg/100g of sample	39
Eicosapentaenoic Acid (EPA, C20:5 n-3)	76.7	59.9 - 93.6	mg/100g of sample	45
Docosahexaenoic Acid (DHA, C22:6 n-3)	105	82 - 128	mg/100g of sample	51
C18:1 Trans	46.7	15.9 - 77.6	mg/100g of sample	35
C18:2 Trans	22.3	7.6 - 37.1	mg/100g of sample	31
C18:3 Trans	30.0	10.2 - 49.7	mg/100g of sample	25

This data sheet is applicable until	04 Jun 2021
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> </ul>	

- 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.