

Fapas® REFERENCE MATERIAL DATA SHEET	TWG021RM
Matrix	Pet Dog Food (Dry)
Weight / Volume of Contents	150 g
Description of material: Pet Dog Food purchased from a retail source. All analytes were present at natural levels.	

Analyte	Reference Value	Expanded uncertainty U ($k = 2$)	Units	No. of data points producing Reference Value
Moisture	7.76	± 0.10	g/100g	28
Ash	6.92	± 0.05	g/100g	26
Total Oil	8.54	± 0.12	g/100g	22
Protein	20.0	± 0.1	g/100g	30
Crude Fibre	2.39	± 0.10	g/100g	25
Starch	44.6	± 0.9	g/100g	9

Date reference values were generated	05/12/2025
Reference values are valid until	05/12/2027
Recommended storage conditions on receipt	-20°C
This material was approved on behalf of Fapas® by	Jessica Choi

Notes
<ul style="list-style-type: none"> Mix the reference material thoroughly before taking a representative analytical sample. It is intended to be used as a single-analysis sample (plus confirmation) for analytical quality control purposes, method verification and as a characterised positive control sample. The recommended analytical sub-sample size is 1-5 g (analysis dependent). This is a reference material, not a certified reference material. This reference material has been produced according to the principles of ISO 17034:2016. The characterised reference values have been derived from the results consensus of ISO 17025 accredited laboratories in an interlaboratory comparison, using a variety of methods. The traceability is inherent in the accreditation status of the results used. The results used to generate the reference value for total oil were determined using acid hydrolysis. The Expanded Uncertainty U corresponds to a confidence level of about 95%. U has been derived from the observed standard deviation of the consensus data (the major component) plus contributions from homogeneity and stability studies. U corresponds to real-world uncertainty of the analysis in a food matrix, not of a pure substance. The stability of the reference material has been established from a formal study. The stability components combine long term (ideal storage) and short term stability (transportation) conditions. The validity date may be extended if supporting data becomes available.