Fera Science Ltd,
Sand Hutton, York, YO41 1LZ, UK
Tel: +44 (0)1904 462100
info@fapas.com www.fapas.com

Fapas® REFERENCE MATERIAL DATA SHEET	TWG013RM
Matrix	Animal Feed (Cereal Based)
Weight / Volume of Contents	55 g
Description of material: Pig feed purchased from a retail source. Ochratoxin A was found at low a level, the level was elevated by spiking. All other analytes were spiked into the material.	

Analyte	Reference Value	Expanded uncertainty *U* (k = 2)	Units	No. of data points producing Reference Value
Aflatoxin B_1	5.82	± 0.83	µg/kg	23
Aflatoxin B_2	4.49	± 0.59	µg/kg	22
Aflatoxin G_1	2.73	± 0.36	µg/kg	22
Aflatoxin G_2	2.70	± 0.30	µg/kg	23
Aflatoxins (total)	15.48	± 2.11	µg/kg	22
Ochratoxin A	43.70	± 6.15	µg/kg	18

Date reference values were generated	08 September 2025
Reference values are valid until	08 September 2027
Recommended storage conditions on receipt	-20°C
This material was approved on behalf of Fapas® by	Jessica Choi

Notes

- 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 minimum analytical sub-sample size is 25 g.
- 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 reference values have been generated from recovery-corrected data.
- 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.