### Fapas® REFERENCE MATERIAL DATA SHEET  TET017RM

**Matrix**  
Maize  

**Weight / Volume of Contents**  
150g  

**Description of material:** The material was procured from a retail source and spiked with all analytes.

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Reference Value</th>
<th>Expanded uncertainty $U$ (k = 2)</th>
<th>Units</th>
<th>No. of data points producing Reference Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aflatoxin B$_1$</td>
<td>9.49</td>
<td>±0.85</td>
<td>µg/kg</td>
<td>27</td>
</tr>
<tr>
<td>Deoxynivalenol</td>
<td>1971</td>
<td>±195</td>
<td>µg/kg</td>
<td>25</td>
</tr>
<tr>
<td>Zearalenone</td>
<td>231</td>
<td>±25</td>
<td>µg/kg</td>
<td>27</td>
</tr>
<tr>
<td>Ochratoxin A</td>
<td>4.81</td>
<td>±0.75</td>
<td>µg/kg</td>
<td>29</td>
</tr>
</tbody>
</table>

**Date reference values were generated**  
23/01/2015  

**Reference values are valid until**  
05/10/2020  

**Recommended storage conditions on receipt**  
-20 °C  

**This material was approved on behalf of Fapas® by**  
Mark Sykes  

**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. The recommended minimum analytical sub-sample size is 25g.
- This is a reference material, not a certified reference material.
- This reference material has been produced according to the principles of ISO 17034.
- The reference value has been derived from the results consensus of ISO 17025 accredited laboratories taking part in proficiency test, 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.
- 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.
- The previous validity date was 05/10/2018.