PRODUCT NAME: DE111™ (*Bacillus subtilis*)

DEERLAND ITEM CODE: 22102B
- **Form:** Bulk Blend
- **Expected Shelf Life:** 24 months or more
- **Shelf Life Rationale:** Stability inferred from manufacturer of the raw materials

**STABILITY TEST PARAMETERS:**
- **Number of Months for Protocol:** 24
- **Temperature Conditions:** 25°C ± 2°C
- **Humidity Conditions:** 40% ± 5% RH
- **Packaging**
  - HDPE Bottle (60cc) and Cap
  - Dessicant and Cotton
- **Test Method:** DEP 028.01 – Aerobic Plate Count
- **Assay Target:** 1 Billion CFU
RESULTS

<table>
<thead>
<tr>
<th>Time (months)</th>
<th>Results (CFU/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$2.9 \times 10^9$</td>
</tr>
<tr>
<td>6</td>
<td>$2.6 \times 10^9$</td>
</tr>
<tr>
<td>12</td>
<td>$1.1 \times 10^9$</td>
</tr>
<tr>
<td>18</td>
<td>$2.1 \times 10^9$</td>
</tr>
<tr>
<td>24</td>
<td>$2.7 \times 10^9$</td>
</tr>
</tbody>
</table>

CONCLUSION

DE111 (*Bacillus subtilis*) was stable over 24 months under the conditions listed above. No loss was detected within the range of the assay.