### NAME AND CODE

**Magnesium Phosphate Tribasic Pentahydrate FCC Powder**  
Code 2565

### CHEMICAL FORMULA

Mg₃(PO₄)₂ · 5H₂O  
Mol. Wt. 352.87

### CAS NUMBER

7757-87-1

### USE

Nutrient; Dietary Ingredient

### DESCRIPTION

White powder; odorless

### CHEMICAL SPECIFICATION

<table>
<thead>
<tr>
<th>TESTS</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay</td>
<td>98.0-101.5%</td>
</tr>
<tr>
<td>Arsenic (As)</td>
<td>3 ppm maximum</td>
</tr>
<tr>
<td>Fluoride</td>
<td>25 ppm maximum</td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>2 ppm maximum</td>
</tr>
<tr>
<td>LOH</td>
<td>20.0-27.0%</td>
</tr>
<tr>
<td>Identification</td>
<td></td>
</tr>
<tr>
<td>Test A</td>
<td>Pass test</td>
</tr>
<tr>
<td>Test B</td>
<td>Pass test</td>
</tr>
</tbody>
</table>

### LEAD - typically

< 0.4 ppm

### MAGNESIUM CONTENT

**(For formulation guidance/Not a specification)**

Pentahydrate Basis  
20.2-20.9%

### CONTAINERS

50 kg / 110 lb. fiber drums; 25 kilogram packs EU only

### STORAGE

Store in a clean, dry warehouse in the original unopened containers.

### REVISION DATE

6/10/2019