

**NAME AND CODE****Sodium Phosphate Monobasic Monohydrate USP  
Granular**

Code 2766

**CHEMICAL FORMULA**NaH<sub>2</sub>PO<sub>4</sub> · H<sub>2</sub>O

Mol. Weight 137.99

**CAS NUMBER**

10049-21-5

**USE**

Pharmaceuticals; Buffering Agent

**DESCRIPTION**

Granular

**CHEMICAL SPECIFICATION****TESTS****SPECIFICATIONS****Identification**

Sodium

positive

Phosphate

positive

**Assay**

98.0 - 103.0%

**pH of a 5% Solution**

4.1- 4.5

**Water**

10.0 – 15.0%

**Insoluble matter**

0.2% maximum

**Chloride (Cl)**

0.014% maximum

**Sulfate (SO<sub>4</sub>)**

0.15% maximum

**Heavy Metals (as Pb)**

0.002% maximum

**Arsenic (As)**

8 ppm maximum

**Al, Ca & Related Elements**

pass

**Residual Solvents**

pass

**Microbial Test Results****Aerobic Plate Count**

1000 cfu / gram maximum

**Yeast and Mold Count**

100 cfu / gram maximum

**Total Coliforms**

Negative

**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**

11/05/08