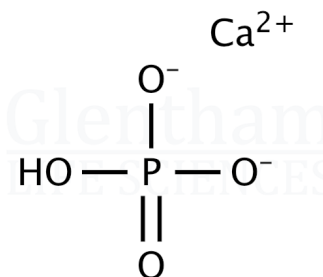


## Product Specification

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Product Name      | Calcium phosphate dibasic, anhydrous, EP, USP grade |
| Glentham Code     | GL2117                                              |
| CAS Number        | 7757-93-9                                           |
| EINECS            | 231-826-1                                           |
| MDL-Nummer        | MFCD00010909                                        |
| Zusätzliche CAS   | 7789-77-7 ( $\cdot 2\text{H}_2\text{O}$ )           |
| PubChem SID       | 310269226                                           |
| Molecular Weight  | 136.06                                              |
| Molecular Formula | $\text{CaH}_2\text{O}_4\text{P}$                    |
| Storage Temp.     | +20°C                                               |



| Property                       | Specification                                       |
|--------------------------------|-----------------------------------------------------|
| Physical Description           | White powder                                        |
| Identification                 | According to EP, USP                                |
| Assay                          | 98.0 - 103.0 % ( $\text{CaH}_2\text{O}_4\text{P}$ ) |
| Loss on Ignition               | 7.0 - 8.5 % (800°C)                                 |
| Loss on Drying                 | ≤ 2.0% (200°C, 3h)                                  |
| pH (10% in water)              | 6.0 - 7.5                                           |
| Aluminium (Al)                 | ≤ 200ppm                                            |
| Arsenic (As)                   | ≤ 1ppm                                              |
| Lead (Pb)                      | ≤ 0.25ppm                                           |
| Cadmium (Cd)                   | ≤ 1ppm                                              |
| Iron (Fe)                      | ≤ 400ppm                                            |
| Mercury (Hg)                   | ≤ 1ppm                                              |
| Heavy Metals (as Pb)           | ≤ 30ppm                                             |
| Barium Test                    | According to EP, USP                                |
| Chloride (Cl)                  | ≤ 0.25%                                             |
| Fluoride (F)                   | ≤ 50ppm                                             |
| Sulphate                       | ≤ 0.2%                                              |
| Carbonate Test                 | According to EP, USP                                |
| HCl Insolubles                 | ≤ 0.2%                                              |
| Pharmacopoeia Specification(s) | EP, USP                                             |

|                       |              |
|-----------------------|--------------|
| Specification Version | - v1.0       |
| Date Created          | - 2014-11-17 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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