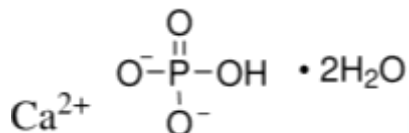


TIQ-F-QC-003

Rev.00

**Technical Data Sheet****CALCIUM HYDROGEN ORTHOPHOSPHATE DIHYDRATE**

Dibasic Calcium Phosphate Dihydrate



|                   |                                       |                  |             |
|-------------------|---------------------------------------|------------------|-------------|
| Product Code      | O-5280                                | Grade            | Extrapure   |
| Purity            | 98 %                                  | CAS No           | 7789-77-7   |
| Molecular Formula | CaHPO <sub>4</sub> ·2H <sub>2</sub> O | Molecular Weight | 172.1 g/mol |
| H.S.Code          | 2835.2500                             | Shelf Life       | 60 Months   |

**Physical Properties**

|                |             |        |       |
|----------------|-------------|--------|-------|
| Physical state | Crystalline | Colour | White |
|----------------|-------------|--------|-------|

**Packaging**

500 gram

**Specification**

|                                 |                          |
|---------------------------------|--------------------------|
| Appearance                      | White powder             |
| Assay (Complexometric)          | 98.0 - 102.5 %           |
| Solubility                      | Solubility in dilute HCl |
| Substance insoluble in HCl      | max 0.2 %                |
| Carbonate (as CO <sub>3</sub> ) | passes test              |
| Chloride (Cl)                   | max 0.025 %              |
| Fluoride (F)                    | max 0.005 %              |
| Sulphate (SO <sub>4</sub> )     | max 0.5 %                |
| Heavy metals (as Pb)            | max 0.003 %              |
| Arsenic (As)                    | max 0.0001 %             |
| Barium (Ba)                     | complies                 |
| Iron (Fe)                       | max 0.04 %               |
| Loss on ignition at 800 °C      | 24.5 - 26.5 %            |

## Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: warning

UN No.: not available

IMCO Class No.: not available

Packing Group: not available

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P264-P271-P280-P302+P352-P305+P351+P338