

## Monosodium Phosphate Monohydrate USP Specification

| Sr.No | Test                                    | Specification                                              |
|-------|-----------------------------------------|------------------------------------------------------------|
| 1     | Description                             | A white powder or colourless crystals.                     |
| 2     | Solubility                              | Freely soluble in water; practically insoluble in Alcohol. |
| 3     | Identification by Sodium                | It gives reaction of Sodium.                               |
| 4     | Identification by phosphate             | It gives reaction of phosphate.                            |
| 5     | Insoluble Substances                    | Not more than 0.2%                                         |
| 6     | Chloride                                | Not more than 0.14%                                        |
| 7     | Sulfate                                 | Not more than 0.15%                                        |
| 8     | Aluminium, Calcium and Related Elements | Passes the test                                            |
| 9     | Arsenic                                 | Not more than 8 ppm                                        |
| 10    | pH                                      | 4.1 to 4.5                                                 |
| 11    | Water                                   | 10.00% to 15.00%                                           |
| 12    | Assay (On anhydrous basis)              | Not less than 98.00% to not more than 103.00%              |