

## Dipotassium Phosphate BP Specification

| Sr.No | Test                         | Specification                                                          |
|-------|------------------------------|------------------------------------------------------------------------|
| 1     | Description                  | White or colourless crystalline powder or granules                     |
| 2     | Solubility                   | Very soluble in water, very slightly soluble in ethanol (96 per cent). |
| 3     | Identification by Alkalinity | Solution is slightly alkaline.                                         |
| 3     | Identification by Potassium  | It gives reaction of Potassium.                                        |
| 4     | Identification by Phosphate  | It gives reaction of Phosphate.                                        |
| 5     | Appearance of Solution       | Solution is clear and colourless.                                      |
| 6     | Reducing Substances          | The solution remains faintly pink.                                     |
| 7     | Monopotassium Phosphate      | Not more than 2.5%                                                     |
| 8     | Chlorides                    | Not more than 200 ppm                                                  |
| 9     | Sulfates                     | Not more than 0.1%                                                     |
| 10    | Iron                         | Not more than 10 ppm                                                   |
| 11    | Sodium                       | Not more than 0.1%                                                     |
| 12    | Loss on Drying               | Not more than 2.0%                                                     |
| 13    | Assay (On dried substance)   | Not less than 98.00% to not more than 101.00%                          |