



**SPECIFICATIONS**  
**GRADE: EP**

|                      |                                                                                                                                                                                                                                                         |          |                                                                          |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------|
| <b>PRODUCTS NAME</b> |                                                                                                                                                                                                                                                         | <b>:</b> | <b>DI SODIUM HYDROGEN PHOSPHATE ANHYDROUS EP</b>                         |
| <b>CAS NO.</b>       |                                                                                                                                                                                                                                                         | <b>:</b> | <b>7558-79-4</b>                                                         |
| <b>Sr. No.</b>       | <b>TEST PARAMETER</b>                                                                                                                                                                                                                                   |          | <b>SPECIFICATION</b>                                                     |
| 1.                   | Appearance                                                                                                                                                                                                                                              |          | White or almost white powder, hygroscopic.                               |
| 2.                   | Solubility                                                                                                                                                                                                                                              |          | Soluble in water, practically insoluble in ethanol (96 per cent).        |
| 3.                   | <b>Identification A</b><br>Solution S is slightly alkaline<br><b>Identification B</b><br>LOD (See Test)<br><b>Identification C</b><br>Solution S gives reaction (b) of phosphates<br><b>Identification D</b><br>Solution S gives reaction (a) of Sodium |          | To pass test<br><br>To pass test<br><br>To pass test<br><br>To Pass Test |
| 4.                   | Appearance of Solution                                                                                                                                                                                                                                  |          | The solution is clear and colorless                                      |
| 5.                   | Reducing substances                                                                                                                                                                                                                                     |          | To Pass Test.                                                            |
| 6.                   | Mon sodium phosphate                                                                                                                                                                                                                                    |          | Max. 2.5 %                                                               |
| 7.                   | Chlorides                                                                                                                                                                                                                                               |          | Max. 200 ppm                                                             |
| 8.                   | Sulfates                                                                                                                                                                                                                                                |          | Max. 500 ppm                                                             |
| 9.                   | Arsenic                                                                                                                                                                                                                                                 |          | Max 2 ppm                                                                |
| 10.                  | Iron                                                                                                                                                                                                                                                    |          | Max. 20 ppm                                                              |
| 11.                  | Loss on drying                                                                                                                                                                                                                                          |          | Max 1.0 %                                                                |
| 12.                  | Assay (dried basis)                                                                                                                                                                                                                                     |          | 98.0% - 101.0%                                                           |