



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : SODIUM PHOSPHATE DIBASIC ANHYDROUS AR**  
(Di-Sodium Hydrogen Orthophosphate Anhydrous)

**CAS No : 7558-79-4**  
**Mol. Formula :  $\text{Na}_2\text{HPO}_4$**   
**Mol. WT : 141.96**  
**Date of analysis : 14/06/25**

**Product code : 26020**  
**Batch No. : MCAR-01735**  
**Mfd. : June 2025**  
**Exp. : May 2030**

| S.R | Test                                             | Specification                                                  | Observation                  |
|-----|--------------------------------------------------|----------------------------------------------------------------|------------------------------|
| 1   | Description                                      | A white powder or crystalline powder or small granular powder. | A white crystalline powder . |
| 2   | Assay (after drying)                             | 99.5% w/w min                                                  | 99.74% w/w                   |
| 3   | pH of solution(0.1M in carbondioxide free water) | 9.1-9.3                                                        | 9.11                         |
| 4   | Water insoluble matter                           | 0.01% max                                                      | 0.006%                       |
| 5   | Chloride (Cl)                                    | 0.002% max                                                     | <0.002%                      |
| 6   | Nitrogen compounds (N)                           | 0.002% max                                                     | <0.002%                      |
| 7   | Sulphate ( $\text{SO}_4$ )                       | 0.005% max                                                     | <0.005%                      |
| 8   | Copper (Cu)                                      | 0.001% max                                                     | <0.001%                      |
| 9   | Iron (Fe)                                        | 0.001% max                                                     | <0.001%                      |
| 10  | Lead (Pb)                                        | 0.001% max                                                     | <0.001%                      |
| 11  | Potassium (K)                                    | 0.01% max                                                      | <0.01%                       |
| 12  | Loss on drying (130 <sup>0</sup> c)              | 0.2% max                                                       | 0.08%                        |
| 13  | Arsenic(As)                                      | 0.0001% max                                                    | <0.0001%                     |
| 14  | Calcium (Ca)                                     | 0.002% max                                                     | <0.002%                      |
| 15  | Magnesium (Mg)                                   | 0.002% max                                                     | <0.002%                      |
| 16  | Pyrophosphate(Po)                                | 0.2% max                                                       | <0.2%                        |

**REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS**

**[Tested By]**

**CHEMIST**  
**(Durvas)**



**[QC Incharge]**

**HEAD-QUALITY ASSURANCE**  
**(G.G.Salian)**

**MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)**

**Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)**

**Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)**

**Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.**