

Certificate of Analysis

Date of Testing: 2023-05-22 10:47:29
Date of Next Testing: 2027-05-21 10:47:29
Product Name: **Sodium phosphate tribasic dodecahydrate**
CAS Number: 10101-89-0
Specifications & Purity: $\geq 99.99\%$ metals basis
Lot #: E2316777
SKU #: **S112442**
Analysis: **214834**

| Parameter | Limit Values | Result |
|--|--------------------------|--------------------------|
| Sulfate(SO ₄ ²⁻) | 0-0.01 (%) | 0.00 % |
| Heavy metal (as Pb) | 0-0.001 (%) | 0.00 % |
| Excess alkali(as NaOH) | 0-2.5 (%) | 1.07 % |
| Insoluble matter(c = 10 % in Dilute HCl) | 0-0.01 (%) | 0.00 % |
| Water by Karl Fischer | 50-60 (%) | 54.88 % |
| Iron(Fe) | 0-0.001 (%) | 0.00 % |
| Chloride (Cl ⁻) | 0-0.001 (%) | 0.00 % |
| Trace Metal Analysis | 0-100 (ppm) | 99.00 ppm |
| Purity(Based On Trace Metals Analysis) | 99.99-100 (%) | 99.99 % |
| Appearance (S112442) | white crystals or chunks | white crystals or chunks |
| ICP:Confirms Na & P Components | Confirmed | Confirmed |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager