

Certificate of Analysis

H₃PO₄ Product

| <i>Sample point: P- 302</i> | | <i>Date: 1402/02/16</i> | |
|---|--------------------|---|--------------------------------|
| <i>Vessel: 302</i> | | <i>Time: 15:00</i> | |
| <i>Sample ID: 12588</i> | | <i>Cargo: H₃PO₄</i> | |
| Parameter | Unit | Results | Allowable limits |
| Chemical Formula | | | H ₃ PO ₄ |
| Appearance | | | Green liquid |
| H ₃ PO ₄ Content | % | 31.75 | 30.5 – 34.5 |
| P ₂ O ₅ Content | % | 24.00 | 22 – 25 |
| Solid Content | % | 0.20 | 0-1 |
| Sulfate (SO ₄) | % | 0.60 | max 2 |
| Specific Gravity @ 20 °C | gr/cm ³ | 1.2639 | max 1.27 |
| Viscosity @ 20 °C | Cp | 5.00 | max 10 |
| Iron (Fe) | % | 0.60 | max 1 |
| Antimony (Sb) | mg/kg | Nill | max 1 |
| Cadmium (Cd) | mg/kg | Nill | max 1 |
| Chromium (Cr) | mg/kg | 3.00 | max 3 |
| Lead (Pb) | mg/kg | Nill | max 1 |
| Mercury (Hg) | mg/kg | Nill | max 1 |
| Cobalt (Co) | mg/kg | 2.00 | max 2 |
| Selenium (Se) | mg/kg | 0.80 | max 1 |
| Heavy Metals Analysis confirmed by ICP method. Edition: MAY 2021 | | | |

1- This certificate is not valid without special stamp of issuant laboratory.

2- This certificate shall not be published or reproduced other than in full.

3- These tests are under the ISO/IEC 17025 quality management system.

The expanded uncertainty is estimated with attention to coverage factor k-2 for normal distribution, providing a level of confidence of approximately 95 %