

Certificate of Analysis

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|-----------------|-------------------|---------------------------|--------------|
| Product | Sulfuric Acid 50% | Batch No. | : 21 05 0423 |
| Grade | AR. | Manufacturing date | : 31/05/2021 |
| Code No. | AR1184 | Best before | : 05/2022 |

| Items | Descriptions | Specifications | Test Results |
|-------|--|----------------|--------------|
| 1 | Assay (by acidimetry) | 49.0 - 51.0% | 50.6% (w/w) |
| 2 | Appearance | Passes test | Passes test |
| 3 | Color (APHA) | 10 max. | < 10 |
| 4 | Residue after Ignition | 5.0 ppm max. | < 5.0 ppm |
| 5 | Substances reducing permanganate (as SO ₂) | 2.0 ppm max. | < 2.0 ppm |
| 6 | Ammonium (NH ₄) | 1.0 ppm max. | < 1.0 ppm |
| 7 | Chloride (Cl) | 0.1 ppm max. | < 0.1 ppm |
| 8 | Nitrate (NO ₃) | 0.5 ppm max. | < 0.5 ppm |
| 9 | Heavy metals (as Pb) | 0.5 ppm max. | < 0.5 ppm |
| 10 | Arsenic and Antimony (as As) | 0.01 ppm max. | < 0.01 ppm |
| 11 | Iron (Fe) | 0.2 ppm max. | < 0.2 ppm |
| 12 | Nickel (Ni) | 0.2 ppm max. | < 0.2 ppm |

This is to certify the above batch has been tested and complies with this specification.

Ladaphan.
Chemist

Achan.
Technical Manager