



GRASIM INDUSTRIES LIMITED, CHEMICAL DIVISION - KARWAR

LAB/FRMT/003, Rev. No-05, Date : 04-01-2016

QUALITY ASSURANCE DEPARTMENT

ANALYSIS REPORT OF PHOSPHORIC ACID (ORTHO)-T. GRADE**I. DESPATCH DETAILS**

- i) Date : 14-06-2016
 ii) Truck No. : KA-01-C-9631
 iii) Customer : M/s Precious chemicals Mumbai

II. ANALYSIS :**DESCRIPTION :** Clear, colourless and odourless syrupy liquid

| Sl.No. | Characteristic | GIL Specification | Result | Method |
|--------|--|-------------------|--------|-------------------------|
| 1. | Ortho Phosphoric acid, H ₃ PO ₄ , % w/w min. | 86.0 | 86.4 | IS:798-1986 (Method-A) |
| 2. | P205 % w/w, min | 62.3 | 62.6 | * |
| 3. | Specific gravity at 20° C, min | 1.700 | 1.7050 | Sp. Gr. bottle |
| 4. | Iron as Fe, ppm., max. | 10.00 | 2.4 | IS:798-1986 (A-4) |
| 5. | Calcium as Ca, ppm., max. | 80.0 | 4.5 | AAS |
| 6. | Magnesium as Mg, ppm., max. | 5.0 | 1.6 | AAS |
| 7. | Heavy Metals as Pb, ppm, max. | 10.0 | <10.0 | IS:798-1986 (A-10) |
| 8. | Chloride as Cl, ppm, max. | 20.0 | 8.6 | IS:798-1986 (A-5) |
| 9. | Fluride as F, ppm., max. | 100.0 | 81 | Ion selective electrode |
| 10. | Sulphate as SO ₄ , ppm., max. | 300.00 | 130 | IS:798-1986 (A-6.2) |

* P205=%H3PO4 x 142/196

Remarks : Phosphoric acid quality Confirms to GIL specification.

Analysed by

Lab in - Charge

Binaga P.O.-581 307, Karwar, Uttarakannada Dist., Karnataka, India.

Ph : 08382-230178, 230174, 230514

Fax : 91-08382 - 230468