

## Q.C Department Certificate of analyse

**Product Name: Calcium Hydrogen Phosphate (Dibasic Calcium Phosphate), 2 H<sub>2</sub>O**

|                              |                                  |                                  |
|------------------------------|----------------------------------|----------------------------------|
| <b>Mfg. Date: 1404/12/19</b> | <b>Batch Size: ----</b>          | <b>Stock Room Code No.: ---</b>  |
| <b>Exp. Date: 1405/12/19</b> | <b>Received Date: 1404/12/19</b> | <b>Lab. No.: 04/AT/8255</b>      |
| <b>Batch No: 04/2067</b>     |                                  | <b>Manufacturer : Aras Taban</b> |

| Test                                               | Ref.         | Acceptable limits                   | Result   | Analyst |
|----------------------------------------------------|--------------|-------------------------------------|----------|---------|
| Characters                                         | ISIRI- 2513  | A white to grey granular and powder | Complies | M.R     |
| Particle size,sieve No: 40(425µm)                  | ISIRI- 2513  | Max 35% through                     | 9 %      | M.R     |
| Loss on drying                                     | ISIRI- 8784  | Not more than 3.0%                  | 2.49 %   | M.R     |
| pH 1% (In House)                                   | ISIRI- 2513  | 4.0 to 7.0                          | 4.56     | M.R     |
| Heavy metals as: Pb                                | ISIRI- 2513  | Not more than 15 ppm                | 2 ppm    | Zarazma |
| Cd                                                 |              | Not more than 15 ppm                | 5.1 ppm  |         |
| As                                                 |              | Not more than 10 ppm                | 7.8 ppm  |         |
| Hg                                                 |              | Not more than 0.1 ppm               | <0.1 ppm |         |
| Limit of acid-insoluble substances                 | ISIRI- 11485 | Not more than 1.5%                  | 1.35 %   | A.E     |
| Soluble phosphorus in citric acid                  | ISIRI- 8784  | Min 85% of total phosphor           | 97.34 %  | M.R     |
| Soluble phosphorus in alkaline of ammonium citrate | ISIRI- 8784  | Min 85% of total phosphor           | 92.51 %  | A.E     |
| Limit of Fluorine                                  | ISIRI- 8924  | Not more than 2000 ppm              | 936      | Zarazma |
| Non Protein Nitrogen (NPN)                         | ISIRI- 2513  | Absent                              | Absent   | M.R     |
| Assay as: phosphorus                               | ISIRI- 513   | Not less than 17.0%                 | 18.23 %  | M.R     |
| Calcium                                            | ISIRI- 2513  | 21.0% to 25.0%                      | 21.62 %  | M.R     |

|              |                              |
|--------------|------------------------------|
| Analyst: M.R | QC. Manager: Dr. A. Esmaeili |
|--------------|------------------------------|

Approved

Reprocess

Rejected

این گواهی آنالیز بدون مهر امضا فاقد اعتبار است