

## Q.C Department Certificate of analyse

| <b>Product Name: Calcium Hydrogen Phosphate (Dibasic Calcium Phosphate), 2 H<sub>2</sub>O</b> |              |                                     |                                  |                                 |
|-----------------------------------------------------------------------------------------------|--------------|-------------------------------------|----------------------------------|---------------------------------|
| <b>Mfg. Date: 1404/05/01</b>                                                                  |              | <b>Batch Size: -----</b>            |                                  | <b>Stock Room Code No.: ---</b> |
| <b>Exp. Date: 1405/05/01</b>                                                                  |              | <b>Received Date: 1404/05/01</b>    |                                  | <b>Lab. No.: 04/AT/8097</b>     |
| <b>Batch No: 04/1058</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%                  | 2.76 %                           | M.R                             |
| pH 1% (In House)                                                                              | ISIRI- 2513  | 4.0 to 7.0                          | 4.47                             | M.R                             |
| Heavy metals as: Pb                                                                           | ISIRI- 2513  | Not more than 15 ppm                | <1 ppm                           | Zarazma                         |
| Cd                                                                                            |              | Not more than 15 ppm                | 5.5 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           | 97.64 %                          | M.R                             |
| Soluble phosphorus in alkaline of ammonium citrate                                            | ISIRI- 8784  | Min 85% of total phosphor           | 94.61 %                          | A.E                             |
| Limit of Fluorine                                                                             | ISIRI- 8924  | Not more than 2000 ppm              | 1646                             | Zarazma                         |
| Non Protein Nitrogen (NPN)                                                                    | ISIRI- 2513  | Absent                              | Absent                           | M.R                             |
| Assay as: phosphorus                                                                          | ISIRI- 513   | Not less than 17.0%                 | 18.33 %                          | M.R                             |
| Calcium                                                                                       | ISIRI- 2513  | 21.0% to 25.0%                      | 21.72 %                          | M.R                             |
| <b>Analyst: M.R</b>                                                                           |              | <b>QC. Manager: Dr. A. Esmaeili</b> |                                  |                                 |

Approved ☒

Reprocess ☐

Rejected ☐

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