

## 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: 1402/01/19</b>                                                                                                                                                                                                                                 |            | <b>Batch Size: -----</b>                                                                      |                                              | <b>Stock Room Code No.: ---</b> |
| <b>Exp. Date: 1403/01/19</b>                                                                                                                                                                                                                                 |            | <b>Received Date: : 1402/01/19</b>                                                            |                                              | <b>Lab. No.: 02/AT/6491</b>     |
| <b>Batch No: 02/1009</b>                                                                                                                                                                                                                                     |            |                                                                                               | <b>Manufacturer : Aras Taban</b>             |                                 |
| Test                                                                                                                                                                                                                                                         | Ref.       | Acceptable limits                                                                             | Result                                       | Analyst                         |
| Characters                                                                                                                                                                                                                                                   | QC.SOP. 01 | A white to grey granular and powder                                                           | Complies                                     | M.R                             |
| Particle size,sieve No: 40(425µm)                                                                                                                                                                                                                            | QC.SOP. 01 | Max 35% through                                                                               | 9 %                                          | M.R                             |
| Loss on drying                                                                                                                                                                                                                                               | QC.SOP. 01 | Not more than 3.0%                                                                            | 2.17 %                                       | M.R                             |
| pH 1% (In House)                                                                                                                                                                                                                                             | QC.SOP. 01 | 4.0 to 7.0                                                                                    | 4.60                                         | M.R                             |
| Heavy metals as: Pb<br>Cd<br>As<br>Hg                                                                                                                                                                                                                        | QC.SOP. 01 | Not more than 45 ppm<br>Not more than 20 ppm<br>Not more than 15 ppm<br>Not more than 0.1 ppm | 7.05 ppm<br>1.15 ppm<br>0.77 ppm<br><0.1 ppm | Salamat Alborz                  |
| Limit of acid-insoluble substances                                                                                                                                                                                                                           | QC.SOP. 01 | Not more than 1.5%                                                                            | 1.18 %                                       | H.J                             |
| Soluble phosphorus in citric acid                                                                                                                                                                                                                            | QC.SOP. 01 | Min 85% of total phosphor                                                                     | 95.46 %                                      | M.R                             |
| Soluble phosphorus in alkaline of ammonium citrate                                                                                                                                                                                                           | QC.SOP. 01 | Min 85% of total phosphor                                                                     | 92.76 %                                      | M.R                             |
| Limit of Fluorine                                                                                                                                                                                                                                            | QC.SOP. 01 | Not more than 1800 ppm                                                                        |                                              |                                 |
| Non Protein Nitrogen (NPN)                                                                                                                                                                                                                                   | QC.SOP. 01 | Absent                                                                                        | Absent                                       | M.R                             |
| Assay as: phosphorus<br>Calcium                                                                                                                                                                                                                              | QC.SOP. 01 | Not less than 17.0%<br>21.0% to 25.0%                                                         | 18 %<br>22.10 %                              | M.R                             |
| Analyst: M.R                                                                                                                                                                                                                                                 |            |                                                                                               | QC. Manager: H.Jalaal                        |                                 |
| Approved <input checked="" type="checkbox"/><br>Reprocess <input type="checkbox"/><br>Rejected <input type="checkbox"/>                                                                                                                                      |            |                                                                                               |                                              |                                 |
| این گواهی آنالیز بدون مهر امضا فاقد اعتبار است                                                                                                                                                                                                               |            |                                                                                               |                                              |                                 |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div>  @arastaban1382                         </div> <div>  arastaban.co                         </div> <div>  WEB:www.arastaban.com                         </div> </div> |            |                                                                                               |                                              |                                 |