
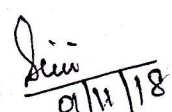
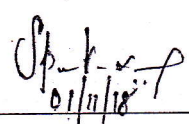
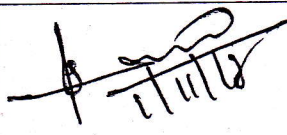
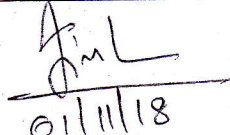


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|  | KERALA STATE DRUGS AND PHARMACEUTICALS LTD, KALAVOOR PO, ALAPPUZHA, KERALA-688522 |
| Raw Material Specification | |

| | | | |
|---|-----------------|--------------|------------------|
| Name of the Material: MAIZE STARCH | | | |
| SOP No: | KSDP/SOP/SPEC01 | Spec. No: | KSDP/R/SPEC01/27 |
| Effective date: | 01/11/2018 | Revision No: | .01 |

| S.NO | TESTS | SPECIFICATION |
|------|------------------------|---|
| 1 | Description | Matt, white to slight yellowish, very fine powder, which creaks when, pressed between the fingers. |
| 2 | Solubility | Practically insoluble in cold water and in alcohol |
| 3 | Identification | A. Polyhedral granules 2 to 23 µm in size, or rounded granules 25 to 32µm in diameter. B. Heat to boiling for one minute a suspension of 1gm in 50 ml water and cool, thin cloudy mucilage is produced. C. To 10 ml of the mucilage obtained in test B add 0.05ml of 0.01M Iodine, a dark blue colour is produced, which disappear on heating and reappears on cooling. |
| 4 | Acidity | NMT 2ml of 0.1M NaOH required to change the colour of solution by 10gm |
| 5 | Iron PPM | Not more than 40PPM |
| 6 | Fluorescence | No fluorescence should be visible under screened Ultra violet light. |
| 7 | Oxidising substances | No distinct brown or blue colour is observed. |
| 8 | Microbiological limits | A. E. coli - Absent /g B. Salmonellae & Shigella -absent /10g C. TBC cfu/g – NMT 1000 D. TFC cfu/g – NMT 100 |
| 9 | Sulphated ash (%w/w) | NMT 0.6%, determined on 2.0g |
| 10 | Loss on drying (% w/w) | NMT 15.0 %, determined on 0.2g |

| | | | |
|---|---|--|---|
| Prepared by | Checked by | Reviewed By | Approved By |
| Junior Manager QA | QC Head | Production Head | QA Head |
|  01/11/18 |  01/11/18 |  01/11/18 |  01/11/18 |

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