

## Birmingham Industries Ltd (Starch Products)

|   |                                 |              |               |
|---|---------------------------------|--------------|---------------|
|  | <b>Cationic Starch -Tapioca</b> | Doc No.      | SPC/QAD/C/032 |
|   |                                 | Doc Date     | 01.12.2020    |
|   |                                 | Rev No.      | 0             |
|   |                                 | Rev Date     | 01.12.2020    |
|   |                                 | No. of Pages | Page 1 of 1   |

| S. No | Specification   | Limits                     | Procedures         |
|-------|---|----------------------------|--------------------|
| 1     | Appearance  | White, Free Flowing Powder | Visual Examination |
| 2     | pH of 10% slurry  | 6.0 – 8.0                  | MOA/QAD/C/003      |
| 3     | Moisture Content  | 13.0% Max                  | MOA/QAD/C/009      |
| 4     | Viscosity of 2.0% solution in Brookfield viscometer, measured at 50°C,60rpm | 100 - 1000 cps             | MOA/QAD/C/010      |
| 5     | Ash Content   | 1.0% Max                   | MOA/QAD/C/013      |
| 6     | Brightness  | 85.0% min                  | MOA/QAD/C/015      |
| 7     | Nitrogen content  | 0.2% min                   | MOA/QAD/C/024      |
| 8     | Degree of substitution  | 0.02% min                  | MOA/QAD/C/024      |
| 9     | Cold water Solubility   | 4.0% max                   | MOA/QAD/C/040      |

|              |              |
|--------------|--------------|
| Prepared By  | Approved By  |
| Sign. & Date | Sign. & Date |