



## Shanghai Chemex Group Ltd.

### TRI-SODIUM CITRATE DIHYDRATE

### Certificate of Analysis

| NO. | ITEM                          | BP2011                     | E331     | USP34       | FCC7        | ENTERPRIZE<br>SPEC |
|-----|-------------------------------|----------------------------|----------|-------------|-------------|--------------------|
| 1   | Characters                    | Colorless or white crystal |          |             |             |                    |
| 2   | Identification                | Pass test                  |          |             |             |                    |
| 3   | Acidity or Basicity           | Pass test                  |          |             |             |                    |
| 4   | Light Transmittance           | /                          |          |             |             | ≥ 95%              |
| 5   | Clarity and color of solution | Pass test                  | /        | Pass test   | /           | Pass test          |
| 6   | Assay                         | 99.0-101.0%                | ≥ 99.0%  | 99.0-100.5% | 99.0-100.5% | 99.8%              |
| 7   | Water                         | 11.0-13.0%                 | ≤ 13.5%  | 10.0-13.0%  | 10.0-13.0%  | 12.18%             |
| 8   | Sulphate                      | ≤ 150ppm                   | /        | /           | /           | ≤ 20ppm            |
| 9   | Oxalate                       | ≤ 300ppm                   | ≤ 100ppm | /           | /           | ≤ 20ppm            |
| 10  | Calcium                       | /                          | /        | /           | /           | ≤ 20ppm            |
| 11  | Heavy Metals                  | ≤ 10ppm                    | ≤ 5ppm   | ≤ 10 ppm    | /           | ≤ 1ppm             |
| 12  | Iron                          | /                          | /        | /           | /           | ≤ 5ppm             |
| 13  | Chloride                      | ≤ 50                       | /        | /           | /           | ≤ 5ppm             |

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