



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

| | | | |
|----------------------|-----------------------------|----------------------|-------------|
| Product Name: | Trisodium citrate dihydrate | Batch No. | JL20231208 |
| CAS | 6132-04-3 | MF Date | Nov.10,2023 |
| Packing | 25kg/bag | Analysis Date | Nov.10,2023 |
| Quantity | 30Ton | Retest Date | Nov.09,2024 |

| N O | ITEM | BP2018 | E330 | USP41 | EP8.0 | FCC7 | ANALYSIS RESULT |
|----------------|---------------------------------------|-------------------------------|-------------------------------|---------------|-------------------------------|-------------------------------|---|
| 1 | CHARACTERS | COLORLESS OR WHITE CRYSTAL | COLORLESS OR WHITE CRYSTAL | / | COLORLESS OR WHITE CRYSTAL | COLORLESS OR WHITE CRYSTAL | COLORLESS OR WHITE CRYSTAL |
| 2 | IDENTIFICATION | PASS THE TEST | PASS THE TEST | PASS THE TEST | PASS THE TEST | PASS THE TEST | PASS THE TEST |
| 3 | LIGHT TRANSMITTANCE | / | / | / | / | / | ≥95% |
| 4 | CLARITY&COLOUR OF SOLUTION | PASS THE TEST | / | / | PASS THE TEST | / | PASS THE TEST |
| 5 | ASSAY | 99.0-101.0% | ≥99.0% | 99.0-100.5% | 99.0-101.0% | 99.0-100.5% | 99.87% |
| 6 | MOISTURE | 11.0-13.0% | ≤13.5% | 10.0-13.0% | 11.0-13.0% | 10.0-13.0% | 12.28% |
| 7 | ACIDITY OR BASICITY | PASS THE TEST | PASS THE TEST | PASS THE TEST | PASS THE TEST | PASS THE TEST | PASS THE TEST |
| 8 | SULPHATE | ≤150ppm | / | / | ≤150ppm | / | <20ppm |
| 9 | OXALATE | ≤300ppm | ≤100ppm | / | ≤300ppm | / | <20ppm |
| 10 | CALCIUM | / | / | / | / | / | <20ppm |
| 11 | HEAVY METALS | ≤10ppm | ≤5ppm | ≤10ppm | ≤10ppm | / | <1ppm |
| 12 | IRON | / | / | / | / | / | <5ppm |
| 13 | CHLORIDE | ≤50ppm | / | / | ≤50ppm | / | <5ppm |
| 14 | READILY CARBONIZABLE SUBSTANCES | NOT EXCEEDING THE STANDARD | / | / | NOT EXCEEDING THE STANDARD | / | K≤1.0 |
| 15 | TARTRATE | / | / | PASS THE TEST | / | / | PASS THE TEST |
| 16 | PYROGEN | PASS THE TEST | / | / | PASS THE TEST | / | PASS THE TEST |

| | | | | | | | |
|-----------|-------------------------------|---|-------|---|---------------|---------|--------------------------|
| 17 | PH | / | / | / | / | 7.5-9.0 | 7.6-8.9 |
| 18 | ARSENIC | / | ≤1ppm | / | / | / | <1ppm |
| 19 | MERCURY | / | ≤1ppm | / | / | / | <0.1ppm |
| 20 | LEAD | / | ≤1ppm | / | PASS THE TEST | ≤2ppm | <0.5ppm |
| 21 | WATER INSOLUBLE SUBSTANCES | / | / | / | / | / | PASS THE TEST |

Analyst: *Wen Qian*

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