



Certificate of Analysis

Zinc Acetate Dihydrate ACS/USP

Catalog Number: ZA1001
Lot Number: 0731703
CAS Number: 5970-45-6
Molecular Formula: $C_4H_6O_4Zn \cdot 2H_2O$
Molecular Weight: 219.53
Storage: 15°C – 30°C
Date of Manufacture: February 28, 2017
Retest Date: February 27, 2022

| Test | Specification | Result |
|--|----------------------------------|-----------------|
| Appearance | Colorless or white crystals | Conforms |
| Assay | 98.0 – 101.0% | 100.44% |
| Identification | To pass tests for Zinc & Acetate | Conforms |
| pH (5%) | 6.0 – 7.0 | 6.22 |
| Insoluble Matter | $\leq 0.005\%$ | 0.0025% |
| Chloride | $\leq 5\text{ppm}$ | $< 5\text{ppm}$ |
| Sulfate | $\leq 0.005\%$ | $< 0.005\%$ |
| Alkalies & Alkaline Earth | $\leq 0.2\%$ | 0.18% |
| Calcium | $\leq 0.005\%$ | 0.0002% |
| Magnesium | $\leq 0.005\%$ | 0.0004% |
| Potassium | $\leq 0.01\%$ | 0.0008% |
| Sodium | $\leq 0.05\%$ | 0.003% |
| Arsenic | $\leq 3\text{ppm}$ | $< 3\text{ppm}$ |
| Iron | $\leq 5\text{ppm}$ | $< 5\text{ppm}$ |
| Lead | $\leq 0.002\%$ | 0.0007% |
| Residual Solvents: Water is the only solvent used during the manufacture of the product. | | |

Approved by:

Date: July 31, 2017

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