

# *Chem-Impex International, Inc.*

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## *Product Specifications*

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>  | 51057                                                                                                                                                                                                       |
| <b>Product</b>           | <b>Zinc sulfate monohydrate, Ultra pure,<br/>Microbial tested, Aerobic plate count: <math>\leq 10^3</math><br/>cfu/g, Yeast and Mold count: <math>\leq 10^2</math> cfu/g,<br/>Total Coliforms: Negative</b> |
| <b>CAS Number</b>        | 7446-19-7                                                                                                                                                                                                   |
| <b>Molecular Formula</b> | $\text{ZnSO}_4 \cdot \text{H}_2\text{O}$                                                                                                                                                                    |
| <b>Molecular Weight</b>  | 179.5                                                                                                                                                                                                       |

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|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appearance</b>                   | White powder                                                                                                                                                         |
| <b>Appearance of Solution</b>       | To pass test                                                                                                                                                         |
| <b>Solubility</b>                   | To pass test                                                                                                                                                         |
| <b>Anion</b>                        | Chloride: < 300 ppm<br>Chlorates: < 250 ppb<br>Perchlorates: < 50 ppb                                                                                                |
| <b>Cation</b>                       | Iron (Fe): < 100 ppm, Lead (Pb): < 0.5 ppm<br>Arsenic (As): < 1 ppm, Cadmium (Cd): < 1 ppm<br>Aluminium (Al): < 1 ppm, Selenium: < 30 ppm<br>Mercury (Hg): < 0.1 ppm |
| <b>pH</b>                           | 4.0 - 5.6 (5% solution)                                                                                                                                              |
| <b>Acidity</b>                      | To pass test                                                                                                                                                         |
| <b>Identification</b>               | To past test for Zinc<br>To pass test for Sulfate                                                                                                                    |
| <b>Alkalies and Alkaline Earths</b> | $\leq 0.5\%$                                                                                                                                                         |
| <b>Microbial test</b>               | Aerobic Plate Count: 1000 cfu/g<br>Yeast and Mold Count: 100 cfu/g<br>Total Coliforms: Negative                                                                      |
| <b>Particle Size</b>                | Mesh thru 200 $\mu\text{m}$ : $\geq 70\%$<br>Mesh thru 30 $\mu\text{m}$ : $\geq 99\%$                                                                                |
| <b>Assay</b>                        | 98.0% - 101.0% (Assay)                                                                                                                                               |
| <b>Grade</b>                        | Meets FCC/EP/GB specification                                                                                                                                        |

# ***Product Specifications***

**Catalog Number: 51057**

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**Storage**

Store at RT

**For Laboratory Use Only**