



Product: Copper Sulphate 5-hyd

CAS: 7758-99-8

| Sr. No. | Parameter                                       | LR Specifications                           | AR/ACS Specifications                       |
|---------|---|---|---|
| 1       | Description                                     | <i>Blue crystals or crystalline powder</i>  | <i>Blue crystals or crystalline powder</i>  |
| 2       | Test Solution (5g in 50ml water)                | <i>Solution must be clear and pale blue</i> | <i>Solution must be clear and pale blue</i> |
| 3       | pH (5% solution in water)                       | <i>3.5 - 4.5</i>                            | <i>≥ 3.8</i>                                |
| 4       | Insoluble matter                                | -   | <i>0.005% max</i>                           |
| 5       | Assay (as CuSO <sub>4</sub> .5H <sub>2</sub> O) | <i>98.0% min</i>                            | <i>99.0% min</i>                            |
| 6       | Total Nitrogen, as N                            | -   | <i>0.001% max</i>                           |
| 7       | Chloride, as Cl                                 | <i>0.005% max</i>                           | <i>0.001% max</i>                           |
| 8       | Calcium, as Ca                                  | -   | <i>0.005% max</i>                           |
| 9       | Iron, as Fe                                     | <i>0.05% max</i>                            | <i>0.003% max</i>                           |
| 10      | Lead, as Pb                                     | <i>0.01% max</i>                            | <i>0.005% max</i>                           |
| 11      | Nickel, as Ni                                   | -   | <i>0.005% max</i>                           |
| 12      | Potassium, as K                                 | -   | <i>0.001% max</i>                           |
| 13      | Sodium, as Na                                   | -   | <i>0.005% max</i>                           |
| 14      | Zinc, as Zn                                     | -   | <i>0.03% max</i>                            |
| 15      | Alkali Sulphates, as SO <sub>4</sub>            | <i>0.3% max</i>                             | -   |

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