

## Certificate of Analysis

### Iron(II) sulfate heptahydrate ≥99.5%

|                          |                                        |                     |                |
|--------------------------|----------------------------------------|---------------------|----------------|
| <b>Product Number</b>    | PSR36987                               | <b>CAS No.</b>      | 7782-63-0      |
| <b>Brand</b>             | PureSynth                              | <b>Lot No.</b>      | I36987SR0125   |
| <b>Molecular Formula</b> | FeO <sub>4</sub> S · 7H <sub>2</sub> O | <b>Date of Mfg.</b> | January, 2025  |
| <b>Molecular Weight</b>  | 278.01 g/mol                           | <b>Date of Exp.</b> | December, 2028 |

| <b>Test</b>                                                        | <b>Specification</b>    | <b>Result</b>      |
|--------------------------------------------------------------------|-------------------------|--------------------|
| Appearance (Colour)                                                | Green or bluish - green | Bluish - green     |
| Appearance (Form)                                                  | Powder or Crystals      | Crystalline powder |
| Turbidity<br>(10% sol with 1% dil H <sub>2</sub> SO <sub>4</sub> ) | Clear to slightly hazy  | Clear              |
| Assay (By Titr.)                                                   | ≥ 99.5 %                | 99.8 %             |
| Water insoluble matter                                             | NMT 0.01 %              | 0.002%             |
| IR Spectrum                                                        | Conforms to structure   | Conforms           |

**Condition:** Store at room temperature and keep container tightly closed.

**Remark:** The batch complies with the prescribed quality of the above specification.

Approved By  
Head - Technical

*This is a computer-generated report - does not require sign*

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