

## Fertilizer and Industrial Compounds

**Product Name:** Choice Granular Sulfate of Potash 0-0-50

**Source:** Ogden, Utah

**Alternative Names:** Potassium Sulfate (K<sub>2</sub>SO<sub>4</sub>/SOP)

| CHEMICAL COMPOSITION                          | UNIT | TYPICAL | TARGET  |
|---|------|---------|---------|
| Potassium Oxide Equivalent (K <sub>2</sub> O) | %    | 51      | 50      |
| Chloride (Cl)                                 | %    | 0.3     | 0.8 max |
| Magnesium (Mg)                                | %    | 0.7     | -       |
| Sulfate (SO <sub>4</sub> )                    | %    | 53      | -       |
| Sulfur (S)                                    | %    | 18      | 17      |
| Moisture (H <sub>2</sub> O)                   | %    | 0.2     | -       |
| pH - in water at 25°C (5.0% Solution)         |      | 8.0     | -       |

| PARTICLE SIZE, PERCENT CUMULATIVE |      |                |         |               |
|-----------------------------------|------|----------------|---------|---------------|
| TYLER MESH                        | UNIT | SCREEN OPENING | TYPICAL | TYPICAL RANGE |
| 8                                 | %    | 2.38 mm        | 0.6     | 0-3           |
| 10                                | %    | 1.68 mm        | 10.5    | 0-31          |
| 12                                | %    | 1.41 mm        | 57.8    | 35-80         |
| 14                                | %    | 1.19 mm        | 93.3    | 86-100        |
| 16                                | %    | 1.00 mm        | 98.7    | 97-100        |
| 20                                | %    | 0.841 mm       | 99.2    | 98-100        |
| pan                               | %    | -              | 100     | 100           |

| PHYSICAL PROPERTIES |                    |         |
|---------------------|--------------------|---------|
|                     | UNIT               | TYPICAL |
| Bulk Density        | kg/m <sup>3</sup>  | 1200    |
|                     | lb/ft <sup>3</sup> | 75      |
| Color               |                    | Beige   |

**Note:** All of the above results are based on the analysis of a composite sample. Individual samples may fall outside the specified typical.