

Sulfuric Acid - Merchant Grade Technical Datasheet Clarksville

Uses

The main applications for sulfuric acid include leaching of ores, pickling, automotive batteries, fertilizers and other chemicals.

Chemical specification

| Chemical analysis Guaranteed analysis | Clarksville Sulfuric acid Merchant grade: |
|--|--|
| | 93.4±0.2% 96.3±0.3% 98.3±0.3% |
| Fe | <40 ppm |
| Pb | <1 ppm |
| Hg | <1 ppm |
| Cl | <10 ppm |
| SO ₂ | <40 ppm |
| Nitrate | <10 ppm |
| Color | < 30 APHA |
| Foreign matter | Nil |
| Residue after ignition | <0.03% |
| Freight | |
| | Truck Rail |

Physical data

| Physical property | Unit | Value |
|-----------------------|--------------------|--------------|
| Density (at 15°C) | kg/dm ³ | 1840 |
| Melting temperature | °C | -7°C |
| Crystallization range | °C | -18 to -10 |
| Solidification range | °C | -46° to -36° |
| Boiling temperature | °C | 310 |