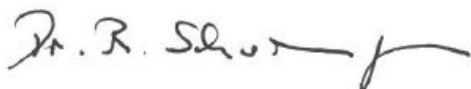


Certificate of Analysis

Product Name: Hydrazine sulfate salt
ACS reagent, $\geq 99.0\%$
Product Number: 216046
Batch Number: BCCC2163
Brand: Sigma-Aldrich
CAS Number: 10034-93-2
Formula: $\text{NH}_2\text{NH}_2 \cdot \text{H}_2\text{SO}_4$
Formula Weight: 130.12
Quality Release Date: 16 OCT 2019

| TEST | SPECIFICATION | RESULT |
|---------------------|-------------------------------------|-------------------------------------|
| APPEARANCE (COLOR) | WHITE | WHITE |
| APPEARANCE (FORM) | POWDER OR CRYSTALS OR CHUNK(S) | CRYSTALS |
| REDOX TITRATION | $\geq 99.0\%$ | 99.2 % |
| RESIDUE ON IGNITION | $\leq 0.05\%$ | 0.01 % |
| INFRARED SPECTRUM | CONFORMS TO STRUCTURE | CONFORMS |
| ACS SPECIFICATIONS | CORRESPONDS TO REQUIREMENTS | CORRESPONDS TO ACS (11TH ED.) |
| REMARKS ON ACS | HEAVY METALS $\leq 0.002\%$ (AS PB) | HEAVY METALS $\leq 0.002\%$ (AS PB) |
| | INSOLUBLE MATTER $\leq 0.005\%$ | INSOLUBLE MATTER $\leq 0.005\%$ |
| | (C=6.67%, H ₂ O) | (C=6.67%, H ₂ O) |
| IRON (ICP) | $\leq 10\text{ MG/KG}$ | $< 10\text{ MG/KG}$ |
| CHLORIDE (CL) | $\leq 50\text{ MG/KG}$ | $< 50\text{ MG/KG}$ |



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.