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# Product Specification

Product Name:
Cobalt(II) chloride hexahydrate – ACS reagent, 98%

| | |
|---|---|
| **Product Number:** | **255599** |
| CAS Number: | 7791-13-1 |
| MDL: | MFCD00149652 |
| Formula: | Cl2Co · 6H2O |
| Formula Weight: | 237.93 g/mol |

$CoCl_2 \cdot 6H_2O$

| TEST | Specification |
|---|---|
| Appearance (Color) | Red to Very Dark Red and Purple to Very Dark Purple |
| Appearance (Form) | Powder or Crystals or Chunk(s) or Powder with Chunk(s) or Crystals with Chunk(s) |
| X-Ray Diffraction Pattern | Conforms to Structure |
| Complexometric EDTA | 98.0 - 102.0 % |
| Insoluble matter | ≤ 0.01 % |
| Calcium (Ca) | ≤ 0.005 % |
| Copper (Cu) | ≤ 0.002 % |
| Iron (Fe) | ≤ 0.005 % |
| Potassium (K) | ≤ 0.01 % |
| Magnesium (Mg) | ≤ 0.005 % |
| Sodium (Na) | ≤ 0.05 % |
| Nickel (Ni) | ≤ 0.1 % |
| Nitrate (NO3) | ≤ 0.01 % |
| Sulfate (SO4) | ≤ 0.01 % |
| Zinc (Zn) | ≤ 0.03 % |
| Recommended Retest Period<br>3 Years | ---------- |
| Meets ACS Requirements | Current ACS Specification |

Specification: PRD.3.ZQ5.10000004033

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.