



Certificate of Analysis

Cobalt(II) Chloride Hexahydrate ACS

Catalog Number: CC1003
Lot Number: 0627701
CAS Number: 7791-13-1
Molecular Formula: $\text{CoCl}_2 \cdot \text{H}_2\text{O}$
Molecular Weight: 237.93
Storage: 15°C – 30°C
Retest Date: June 26, 2019

Test	Specification	Result
Appearance	Purple crystalline powder	Conforms
Assay	98.0 – 102.0%	100.2%
Melting Point	~ 86°C	88.0°C
Solubility (93g/100mL H ₂ O)	Clear, dark purple	Conforms
Insoluble Material	≤ 0.01%	0.001%
Nitrate	≤ 0.01%	< 0.001%
Sulfate	≤ 0.01%	< 0.001%
Calcium	≤ 0.005%	0.0008%
Copper	≤ 0.002%	< 0.0001%
Iron	≤ 0.005%	< 0.0007%
Magnesium	≤ 0.005%	0.0001%
Nickel	≤ 0.1%	< 0.0001%
Potassium	≤ 0.01%	0.0001%
Sodium	≤ 0.05%	< 0.0002%
Zinc	≤ 0.03%	< 0.0001%

Approved by:

Date: June 27, 2017

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