



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-211122
Lot Number: SAMPLE
Product Name: Cobalt(II) nitrate hexahydrate
CAS Number: 10026-22-9
Molecular Formula: $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 291.03

Test	Specification	Result
Appearance	Red to very dark red and red-brown and Brown-Red crystals, powder, chips, chunks, or solid	Dark red crystals
X-Ray Powder Diffraction	Consistent with structure	Complies
Insoluble Matter	$\leq 0.01\%$	$\leq 0.01\%$
Calcium	$\leq 0.005\%$	$< 0.005\%$
Chloride	$\leq 0.002\%$	$< 0.002\%$
Complexometric EDTA	98.0 - 102.0%	98.3%
Copper	$\leq 0.002\%$	$< 0.002\%$
Iron	$\leq 0.001\%$	$< 0.001\%$
Lead	$\leq 0.002\%$	$< 0.002\%$
Magnesium	$\leq 0.005\%$	$< 0.005\%$
Nickel	$\leq 0.15\%$	0.01%
Potassium	$\leq 0.01\%$	$< 0.01\%$
Sodium	$\leq 0.05\%$	$< 0.05\%$
Sulfate	$\leq 0.005\%$	0.001%
Zinc	$\leq 0.01\%$	$< 0.01\%$

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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