



## Certificate of Analysis

### Cobalt Sulfate Heptahydrate

**Catalog Number:** CS1001  
**Lot Number:** Typical-916  
**CAS Number:** 10026-24-1  
**Molecular Formula:**  $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$   
**Molecular Weight:** 281.10  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** August 23, 2016  
**Retest Date:** August 22, 2019

Test	Specification	Result
Appearance	Pink-red crystalline powder	Conforms
Assay	≥ 99%	99.45%
Identification	To pass test	Conforms
Solubility	Clear red solution	Conforms
pH (5%)	3.0 – 5.0	3.89
Insoluble Substances	≤ 0.003%	0.002%
Substances Not Precipitated by $(\text{NH}_4)_2\text{SO}_4$	≤ 0.2%	0.14%
Chloride	≤ 0.001%	< 0.001%
Nitrogen Compounds	≤ 0.002%	< 0.002%
Calcium	≤ 0.003%	0.0013%
Copper	≤ 0.001%	0.0004%
Manganese	≤ 0.001%	0.0003%
Nickel	≤ 0.005%	0.002%
Sodium	≤ 0.01%	0.0008%
Zinc	≤ 0.005%	0.0001%
Heavy Metals	≤ 0.001%	0.0004%
Iron	≤ 0.002%	Not detected
Lead	≤ 0.005%	0.0015%

Approved by:

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Date: March 1, 2017



# **Gojira Fine Chemicals, LLC**

**Quality Products & Services Meeting Customer Needs**  
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