

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-27 16:56:23
 Date of Next Testing: 2029-08-26 16:56:23
 Product Name: **Cobalt sulfamate solution**
 CAS Number: 14017-41-5
 Specifications & Purity: cobalt content 150g/L
 Lot #: H2526806
 SKU #: **C683842**
 Version: **2**
 Analysis #: **545851**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nickel(Ni)	0-50 (ppm)	2.00000 ppm
Copper(Cu)	0-5 (ppm)	3.00000 ppm
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Lead(Pb)	0-10 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
pH	3.8-4.2	4.01000
Density (20°C)	≥1.448 (g/ml)	1.44850 g/ml
cobalt(Co)	≥150 (g/L)	156.60000 g/L
Sulfate(SO42-)	0-50 (ppm)	24.31000 ppm



John Su
QA & QC Manager