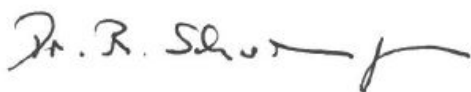


## Certificate of Analysis

**Product Name:** ANTIMONY(III) CHLORIDE  
ACS reagent, >= 99.0 %  
**Product Number:** 311375  
**Batch Number:** BCBW7472  
**Brand:** Sigma-Aldrich  
**CAS Number:** 10025-91-9  
**Formula:** SbCl<sub>3</sub>  
**Formula Weight:** 228.12  
**Quality Release Date:** 29 MAR 2018

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTAL OR CHUNK(S)	CRYSTALS WITH CHUNK(S)
REDOX TITRATION	99.0 - 101.0 %	99.5 %
REDOXTITRATION (METHOD)	WITH IODINE	WITH IODINE
ICP ANALYSIS	CONFIRMS ANTIMONY COMPONENT	CONFIRMS
ACS SPECIFICATIONS	CORRESPONDS TO REQUIREMENTS	CORRESPONDS TO ACS (11TH ED.)
REMARKS ON ACS	INSOLUBLE IN CHLOROFORM ≤ 0.05 %	INSOLUBLE IN CHLOROFORM < 0.05 %
CALCIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
COPPER (ICP)	≤ 10 MG/KG	< 10 MG/KG
IRON (ICP)	≤ 20 MG/KG	< 20 MG/KG
POTASSIUM (ICP)	≤ 100 MG/KG	< 100 MG/KG
SODIUM (ICP)	≤ 200 MG/KG	< 200 MG/KG
LEAD (ICP)	≤ 50 MG/KG	< 50 MG/KG
TOTAL SULFUR AS SO <sub>4</sub> (ICP)	≤ 50 MG/KG	< 50 MG/KG
VARIOUS GUARANTEE LABEL TRACES (ICP-OES)	≤ 200 MG/KG ARSENIC	< 200 MG/KG ARSENIC



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland

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.