



Certificate of Analysis

Gold(III) Chloride Trihydrate ACS

Catalog Number: GC1001
Lot Number: 0706804
CAS Number: 16961-25-4
Synonym(s): Hydrogen tetrachloroaurate(III), Tetrachloroauric(III) acid
Molecular Formula: $\text{HAuCl}_4 \cdot 3\text{H}_2\text{O}$
Molecular Weight: 393.83
Storage: 15°C – 30°C
Date of Manufacture: June 29, 2018
Retest Date: June 28, 2020

Test	Specification	Result
Appearance	Orange crystals	Conforms
Purity	$\geq 99.0\%$	99.99%
Gold Content	$\geq 50.0\%$	49.51%
Insolubles (Ether)	$\leq 0.1\%$	< 0.1%
Alkalies & Other Metals	$\leq 0.2\%$	< 0.2%
Aluminum	$\leq 0.005\%$	< 0.0005%
Cadmium	$\leq 0.005\%$	< 0.0001%
Calcium	$\leq 0.005\%$	0.0004%
Chromium	$\leq 0.005\%$	< 0.0002%
Copper	$\leq 0.005\%$	< 0.0002%
Iridium	$\leq 0.005\%$	< 0.0001%
Iron	$\leq 0.005\%$	< 0.0003%
Manganese	$\leq 0.005\%$	< 0.0001%
Nickel	$\leq 0.005\%$	< 0.0001%
Platinum	$\leq 0.005\%$	< 0.0005%
Ruthenium	$\leq 0.005\%$	< 0.0005%
Silicon	$\leq 0.005\%$	< 0.0005%
Silver	$\leq 0.005\%$	< 0.001%
Zinc	$\leq 0.005\%$	< 0.0002%
Total Impurities	$\leq 0.010\%$	< 0.01%

Approved by:

Date: July 6, 2018

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-252-5397 Fax: 888-211-5523
john@gojiraafc.com

For research purposes only. Not for drug or clinical use in humans or human food additive use.