



## Specification

### Gold Chloride Trihydrate ACS

**Catalog Number:** GC1001  
**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  
**Retest Period:** Two years from the date of manufacture

Test	Specification
Appearance	Orange crystals
Purity	$\geq 99.0\%$
Gold Content	$\geq 50.0\%$
Insolubles (Ether)	$\leq 0.1\%$
Alkalies & Other Metals	$\leq 0.2\%$
Aluminum	$\leq 0.005\%$
Cadmium	$\leq 0.005\%$
Calcium	$\leq 0.005\%$
Chromium	$\leq 0.005\%$
Copper	$\leq 0.005\%$
Iridium	$\leq 0.005\%$
Iron	$\leq 0.005\%$
Manganese	$\leq 0.005\%$
Nickel	$\leq 0.005\%$
Platinum	$\leq 0.005\%$
Ruthenium	$\leq 0.005\%$
Silicon	$\leq 0.005\%$
Silver	$\leq 0.005\%$
Zinc	$\leq 0.005\%$
Total Impurities	$\leq 0.010\%$

Approved:

Date: September 24, 2018

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