

# NANOPARTz™

The gold nanoparticle for nanotechnology

## Certificate of Analysis

Product Family	Gold(III) Chloride Trihydrate			
Other Names	Tetrachloroauric(III) Acid Trihydrate			
Product Details	ACS Reagent, >49.0% Au basis			
Product Number	G-G3CT-ACS-25			
Lot #	AUH02			
CAS Number	16961-25-4			
Formula	$\text{HAuCl}_4 \cdot 3\text{H}_2\text{O}$			
Formula Weight	g/mole	393.83		
Appearance	Color	measured	Visual	Yellow to Orange
Appearance	Form	measured	Visual	Crystal or Powder
Component		measured	ICP	Au
Au Composition		measured	Gravimetric	>49.0%
Insoluble Matter	Ether	measured	Gravimetric	$\leq 0.1\%$
Alkalies/Other Metals		measured	Assay	$\leq 0.2\%$
pH	5mg/mL (DIH)	measured	Orion	2.8
Aqueous Solubility	appreciable	measured		>10%
Storage		manufactured		Inert Nitrogen
Amount	g	measured	Scale	25
<b>Meets Current ACS Specification</b>				
Date	8/3/2017			
Exp Date	1/30/2018			

Alex Schoen, Manager Quality Control

