

## **Frequently Asked Chemical Specifications:**

- 1. RHODIUM CHEMICALS**
- 2. RUTHENIUM CHEMICALS**
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- 4. PALLADIUM CHEMICALS**
- 5. SILVER CHEMICALS**
- 6. GOLD CHEMICALS**

## 1) RHODIUM CHEMICAL SPECIFICATIONS:

Product:	Spec.#:
<b>Rhodium Trichloride hydrate</b>	<b>Formula: RhCl<sub>3</sub>.H<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	227.4
Description	Red Crystals
Solubility in water	Soluble in water/Methanol
Minimum Assay	99.90%
Minimum Rh Content	38-42%
Maximum Limits of Impurities	900 PPM

Product:	Spec.#:
<b>Rhodium Trichloride</b>	<b>Formula: RhCl<sub>3</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	227.4
Description	Red Crystals
Solubility in water	Soluble in water/Methanol
Minimum Assay	99.90%
Minimum Rh Content	44-49%
Maximum Limits of Impurities	900 PPM

Product:	Spec.#:
<b>Rhodium Powder</b>	<b>Formula: Rh</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Black coloured powder
Minimum Rh Content	99.90%
Maximum Limits of Impurities	500 PPM

Product:	Spec.#:
<b>Rhodium Sulphate Solution</b>	<b>Formula: RhSO4 Solution</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Supply form	Solution
Description	Reddish Yellow
Solubility in water	Soluble in water
Minimum Assay	99.99%
Minimum Rh Content	2%
Maximum Limits of Impurities	100 PPM

## 2) RUTHENIUM CHEMICAL SPECIFICATIONS:

Product:	Spec.#:
<b>Ruthenium Oxide Trihydrate</b>	<b>Formula: RuO<sub>2</sub>.3H<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	187.1
Description	Black Powder
Minimum Assay	98.50%
Minimum Rh Content	54-55%
Maximum Limits of Impurities	Max.1000 ppm

Product:	Spec.#:
<b>Ruthenium Oxide anhydrous</b>	<b>Formula: RuO<sub>2</sub>Anhydrous</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	187.1
Description	Black Powder
Minimum Assay	98.50%
Minimum Rh Content	62-63%
Maximum Limits of Impurities	Max.1000 ppm

Product:	Spec.#:
<b>Ruthenium Trichloride Trihydrate</b>	<b>Formula: RuCl<sub>3</sub>.3H<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	261.4
Description	Black Powder/Crystal
Minimum Assay	99.97%
Minimum Rh Content	38.8-42%
<b>Maximum Limits of Impurities</b>	
Silver (Ag)	0.03%
Gold (Au)	0.03%
Palladium (Pd)	0.05%
Platinum (Pt)	0.03%
Rhodium (Rh)	0.03%
Copper (Cu)	0.03%
Nickel (Ni)	0.03%
Iron (Fe)	0.03%
Zinc (Zn)	0.03%
Magnesium (Mg)	0.03%
Lead (Pb)	0.03%
Calcium (Ca)	0.03%
Sodium (Na)	0.03%

Product:	Spec.#:
<b>Ruthenium(III) Trichloride Anhydrous</b>	<b>Formula: RuCl<sub>3</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	207.43
Description	Dark brown or black solid
Minimum Assay	99.90%
Minimum Rh Content	45- 49%
Maximum Limits of Impurities	600PPM

Product:	Spec.#:
<b>Ruthenium Acetyl Acetonate</b>	<b>Formula: Ru(C<sub>5</sub>H<sub>7</sub>O<sub>2</sub>)<sub>3</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	398.1
Description	Black Powder
Min. Ru Content	47.5-49.5 %

Product:	Spec.#:
<b>Ruthenium Sponge/Powder</b>	<b>Formula: Ru</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Grey coloured powder
Ruthenium Content	99.90% Min
Maximum Limits of Impurities	500PPM

### 3) PLATINUM CHEMICAL SPECIFICATIONS:

Product:	Spec.#:
<b>Platinum Oxide</b>	<b>Formula: PtO<sub>2</sub>. xH<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	227
Description	Dark Brown Powder
Minimum Pt Content	76-81%
Typical Surface Area	>100m <sup>2</sup> /g

Product:	Spec.#:
<b>Platinum Oxide anhydrous</b>	<b>Formula: PtO<sub>2</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	227
Description	Dark Brown Powder
Stability	stable
Minimum Pt Content	81-85%
Typical Surface Area	>100m <sup>2</sup> /g
Impurity (except Na)	1000 PPM Max

Product:	Spec.#:
<b>Platinum Black</b>	<b>Formula: Pt(O)</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Silver Grey Metal
Minimum Pt Content	98%
Total Impurities(in ppm)	Max.500ppm
Other	2% Na based

Product:	Spec.#:
<b>Platinum Chloride Crystals</b>	<b>Formula: PtCl<sub>4</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Minimum Assay	99.90%
Minimum Pt Content	38-40%
<b>Maximum Limits of Impurities in ppm</b>	
Silver (Ag)	50
Aluminium	50
Gold	20
Bismuth	10
Calcium	50
Copper (Cu)	20
Iron (Fe)	50
Magnesium (Mg)	10
Manganese (Mn)	10
Nickel (Ni)	10
Lead (Pb)	10
Palladium (Pd)	50
Rhodium (Rh)	30
<b>Total Impurities</b>	≤ 500

Product:	Spec.#:
<b>Platinum Nitrate Solution 10% W/V</b>	<b>Formula: Pt (NO<sub>3</sub>)<sub>4</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Minimum Assay	99.90%
Minimum Pt Content	10%-17% W/V
<b>Maximum Limits of Impurities in ppm</b>	
Silver (Ag)	50
Aluminium	50
Gold	20
Bismuth	10
Calcium	50
Copper (Cu)	20
Iron (Fe)	50
Magnesium (Mg)	10
Manganese (Mn)	10
Nickel (Ni)	10
Lead (Pb)	10
Palladium (Pd)	50
Rhodium (Rh)	30
<b>Total Max Impurities</b>	500



Product:	Spec.#:
<b>Tetra Ammine Platinum Nitrate</b>	<b>Formula:</b> <b>Pt(NH3)4(NO3)2</b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	263.2
Description	White to Pale yellow Powder
Stability	Air stable
Typical Purity	99.0%
Minimum Pt Content	50%
Solubility in Water	Soluble
<b>Maximum Limits of Impurities</b>	1000 PPM Max

## 4) PALLADIUM CHEMICAL SPECIFICATIONS:

Product:	Spec. #:
<b>Palladium [II] Chloride</b>	<b>Formula: PdCl<sub>2</sub></b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	177.31
Colour	Rust colour
Form	Solid
Melting point	500 degree C
Stability	Hygroscopic
Moisture content	0.3% max
Assay	99%
Typical Analysis	% Pd 59.5 - 60
<b>Maximum Limits of Impurities</b>	Within Spectrographic limits
Metals	not more than 800 PPM

Product:	Spec. #:
<b>Tetramine Palladium (II) Chloride</b>	<b>Formula: Pd(NH<sub>3</sub>)<sub>4</sub>Cl<sub>2</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	245.4
Description	Orange Yellow Coloured Powder
Stability	Air-stable
Typical Purity	99.95%
Assay (Content of Pd)	43.0 % Minimum
Solubility in Water	Soluble
<b>Maximum Limits of Impurities</b>	500 PPM

Product:	Spec.#:
<b>Palladium [II] Chloride</b>	<b>Formula: PdCl<sub>2</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	177.31
Colour	Rust colour
Form	Solid
Melting point	500°C
Stability	Hygroscopic
Moisture content	0.15% max
Assay	99.95%Min.
Typical Analysis	% Pd 59.5 - 60
<b>Maximum Limits of Impurities in ppm</b>	Within Spectrographic limits
Silver (Ag)	50
Aluminium	50
Gold	50
Bismuth	10
Calcium	50
Copper (Cu)	50
Iron (Fe)	50
Magnesium (Mg)	50
Manganese (Mn)	10
Nickel (Ni)	50
Lead (Pb)	10
Platinum (Pt)	50
Palladium (Pd)	50
Rhodium (Rh)	30
Silicon	50
Titanium	10
Zirconium	5
Antimony	20
<b>Total Impurities</b>	500 PPM Max.

Product:	Spec.#:
<b>Palladium 'P' Salt (Dinitro Diammine Palladium)</b>	<b>Formula: Pd(NH<sub>3</sub>)<sub>2</sub>(NO<sub>2</sub>)<sub>2</sub></b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	232.1
Description	Yellowish White Coloured Powder
Stability	Air-stable
Typical Purity	98.0%
Assay (Content of Pd)	44.5 % Minimum
Solubility in Water	Insoluble
<b>Maximum Limits of Impurities in ppm</b>	500 PPM

Product:	Spec.#:
<b>Palladium Black</b>	<b>Formula: Pd(O)</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Black Coloured Powder
Supply Form	Dry Powder
Moisture content	max. 0.5%
Assay(Content of Pd)	Min. 99.9 %
<b>Maximum Limits of Impurities in ppm</b>	Within Spectrographic limits
Silver (Ag)	50
Aluminium	50
Gold	50
Bismuth	10
Calcium	50
Copper (Cu)	50
Iron (Fe)	50
Magnesium (Mg)	50
Manganese (Mn)	10
Nickel (Ni)	50
Lead (Pb)	10
Platinum (Pt)	50
Rhodium (Rh)	30
Silicon	50
Antimony	20
Sodium	500
<b>Total Impurities</b>	1000 PPM Max

Product:	Spec.#:
<b>Palladium Oxide</b>	<b>Formula: PdO</b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	122.4
Description	Black Powder
Typical Purity	99.0%
Assay (Content of Pd)	86.06 % Minimum
Moisture content	0.5% max
Solubility	Insoluble in water, acid or alcohol. Slightly soluble in aqua regia

Product:	Spec.#:
<b>Palladium Sulphate Anhydrous</b>	<b>Formula: PdSO<sub>4</sub></b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	202.199
Description	Brownish Black Coloured Powder
Stability	Air-stable
Typical Purity	98.0%
Assay (Content of Pd)	52 % Minimum
Solubility in Water	Sparingly Soluble
<b>Maximum Limits of Impurities</b>	500 PPM

Product:	Spec.#:
<b>Tetrakis Bis - (Triphenyl Phosphine) Palladium (Cl)</b>	<b>Formula: PdCl<sub>2</sub> [P(C<sub>6</sub>H<sub>5</sub>)<sub>3</sub>]<sub>2</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Yellow Coloured Powder
Stability	Stable
Supply Form	Dry Powder
Moisture content	0.5% max
Palladium Content on Dry basis	Min 14.95%
Solubility	Soluble in Ethanol with dissociation
Melting point	100-105°C

Product:	Spec.#:
<b>Palladium [II] Nitrate Solution 10% W/V</b>	<b>Formula: Pd(NO<sub>3</sub>)<sub>2</sub> soln. 10%w/v</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Dark Brown Colour
Supply Form	Solution
Stability	Stable
Typical Analysis	% Pd 9-15
<b>Maximum Limits of Impurities in ppm</b>	
Silver (Ag)	50
Aluminium	50
Gold	50
Bismuth	10
Calcium	50
Copper (Cu)	50
Iron (Fe)	50
Magnesium (Mg)	50
Manganese (Mn)	10
Nickel (Ni)	50
Lead (Pb)	10
Platinum (Pt)	50
Rhodium (Rh)	30
Silicon	50
Titanium	10
Zirconium	5
Antimony	20

Product:	Spec.#:
<b>Palladium Acetate</b>	<b>Formula: Pd(CH<sub>3</sub>COO)<sub>2</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	224.1
Description	Brownish Black Coloured Powder
Stability	Air Stable
Typical Purity	98.00%
Assay (Content of Pd)	46.5 % Minimum
Solubility in Water	Soluble
<b>Maximum Limits of Impurities in ppm</b>	1000 PPM

## 5) SILVER CHEMICAL SPECIFICATIONS:

Product:	Spec.#:
<b>Silver Nitrite</b>	<b>Formula: AgNO<sub>2</sub></b>
Grade: AR	
Test	Limits
Molecular Weight	153.87
Description	Small Yellow Or Greyish Yellow Crystals. Light Sensitive
Minimum Assay [ ex. Ag]	99.5%
Minimum Ag content	69-70%
Density	4-4.5 g / ml.(26°C)
Solubility (in water)	Soluble in hot water
<b>Maximum Limits of Impurities</b>	
Chloride [ Cl]	0.0003%
Sulfate [ SO <sub>4</sub> ]	0.0025%
Alkalis and other metals [as sulfates]	0.05%
Bismuth and Lead [ Pb]	0.001%
Copper [ Cu]	0.005%
Iron [ Fe]	0.05%

Product:	Spec.#:
<b>Silver Nitrate</b>	<b>Formula: AgNO<sub>3</sub></b>
Grade: LR	
Test	Limits
Molecular Weight	169.87
Minimum Assay	99.8%
Minimum Ag content	63.38%
<b>Maximum Limits of Impurities</b>	
Chlorid [ Cl]	0.001%
Sulfate [ SO <sub>4</sub> ]	0.02%

Product:	Spec.#:
<b>Silver Nitrate Crystals</b>	<b>Formula: AgNO<sub>3</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	169.87
Description	Colourless crystals that darken if exposed to light
Minimum Assay [ ex. Ag]	99.9%
Minimum Ag content	63.45%
Water-insoluble matter	0.003%
Alcohol-insoluble matter	Passes Test
Chloride [ Cl]	0.0005%
Sulfate [ SO <sub>4</sub> ]	0.0025%
Alkalis and other metals [as sulfates]	0.05%
Bismuth and Lead [ Pb]	0.001%
Copper [ Cu]	0.0002%
Iron [ Fe]	0.0003%

Product:	Spec.#:
<b>Silver Sulfate</b>	<b>Formula: Ag<sub>2</sub>SO<sub>4</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	311.8
Minimum Assay [ ex. Ag]	98.5%
Minimum Ag content	68.15%
Description	Colourless Crystalline Powder
pH of the 0.5% solution in H <sub>2</sub> O	Not less than 5.0
Insoluble matter	0.01%
Chloride [ Cl]	0.001%
Nitrate [ NO <sub>3</sub> ]	0.003%
Alkalis [ Sulfated]	0.40%
Bismuth and Lead [ Pb]	0.001%
Copper [ Cu]	0.0002%
Iron [ Fe]	0.003%



Product:	Spec.#:
<b>Silver Oxide</b>	<b>Formula: Ag<sub>2</sub>O</b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	231.74
Minimum Assay [ ex. Ag]	97%
Minimum Ag content	92.1%
Description	Brownish Black Powder
Stability	Stable
<b>Maximum Limits of Impurities</b>	
Nitrate [ NO <sub>3</sub> ]	0.05%
Alkalis [ Sulfated]	0.4%
Free Alkali	10 ml N/1%

Product:	Spec.#:
<b>Silver Oxide</b>	<b>Formula: Ag<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	231.74
Minimum Assay [ ex. Ag]	99%
Minimum Ag content	92.1%
Description	Brownish Black Powder
Stability	Stable
<b>Max.LIMITS OF IMPURITIES</b>	
Nitrate[ NO <sub>3</sub> ]	0.002%
Alkalis [ Sulfated]	0.005%
Free Alkali	10 ml N/1%

Product:	Spec.#:
<b>Silver Carbonate</b>	<b>Formula: Ag<sub>2</sub>CO<sub>3</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	275.75
Minimum Assay [ ex. Ag]	98%
Minimum Ag content	76.67%
Description	Light Yellow powder (Darkens on exposure to light)
Solubility in Water	Insoluble
<b>Maximum Limits of Impurities</b>	
Alkalis [ Sulfated]	< 0.3%
Nitrate [ NO <sub>3</sub> ]	< 0.05%

Product:	Spec.#:
<b>Silver Chloride</b>	<b>Formula: AgCl</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	143.32
Minimum Assay [ ex. Ag]	99%
Minimum Ag content	74.5%
Description	White powder (Darkens on exposure to light)
Solubility in Water	Insoluble
Nitrate [ NO3]	Not more than 0.05%

Product:	Spec.#:
<b>Silver Bromide</b>	<b>Formula: AgBr</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	187.78
Description	Yellow Powder
Minimum Assay [ by electrolysis]	97%
Minimum Ag content	55.73%
Loss on drying [ at 110 C ]	Not more than 0.2%

Product:	Spec.#:
<b>Silver Iodide</b>	<b>Formula: AgI</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	234.77
Description	Light yellow powder
Minimum Assay [ ex. Ag]	98%
Minimum Ag content	45.0%
<b>Maximum Limits of Impurities</b>	
Nitrate [ NO3]	Not more than 0.02%
Copper	0.001%
Magnesium	0.001%
Sodium + Potassium	0.05%

Product:	Spec.#:
<b>Silver Acetate</b>	<b>Formula: CH<sub>3</sub>.COOAg</b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	166.92
Minimum Assay [ ex. Ag]	96.3%
Minimum Ag content	62.08%
Description	White to Gray Powder
<b>Maximum Limits of Impurities</b>	
Chloride [ Cl]	0.1%
Nitrate [ NO <sub>3</sub> ]	0.2%
Iron [ Fe]	0.05%

Product:	Spec.#:
<b>Silver Acetate</b>	<b>Formula: CH<sub>3</sub>.COOAg</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	166.92
Minimum Assay [ ex. Ag]	98%
Minimum Ag content	63.34%
Description	White to Gray Powder
<b>Maximum Limits of Impurities</b>	
Chloride [ Cl]	0.01%
Nitrate [ NO <sub>3</sub> ]	0.1%
Iron [ Fe]	0.005%

Product:	Spec.#:
<b>Silver Lactate</b>	<b>Formula: C<sub>3</sub>H<sub>5</sub>AgO<sub>3</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	196.94
Minimum Assay [ ex. Ag]	97%
Minimum Ag content	53.1%
Description	White to Gray powder (Darkens on exposure to light )
Solubility in Water	Insoluble
Nitrate [ NO <sub>3</sub> ]	Not more than 0.05%

Product:	Spec.#:
<b>Silver Powder</b>	
Grade: LR	
<b>Test</b>	<b>Limits</b>
Description	Grey White Powder
Assay (Silver content)	99.9%
Particle Size	200mesh
<b>Maximum Limits of Impurities</b>	
Copper [ Cu] Max.	0.05%
Iron	0.05%

## 6) GOLD CHEMICAL SPECIFICATIONS:

Product:	Spec.#:
<b>Gold Chloride</b>	<b>Formula: AuCl<sub>3</sub>.XH<sub>2</sub>O</b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Description	Orange Yellow Crystalline Powder
Stability	Highly Hygroscopic
Minimum AU content	<b>48.00%</b>
<b>Maximum Limits of Impurities</b>	500 ppm

Product:	Spec.#:
<b>Gold Chloride Trihydrate</b>	<b>Formula: AuCl<sub>3</sub>.3H<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Orange Yellow Crystalline Powder
Stability	Highly Hygroscopic
Minimum AU content	<b>49.5%</b>
<b>Maximum Limits of Impurities</b>	500 ppm

Product:	Spec.#:
<b>Potassium Dicyano Aurate/ Gold Potassium Cyanide</b>	<b>Formula: KAu(CN)<sub>2</sub></b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	288.12
Description	White Crystalline Powder Soluble in water
Minimum AU content	<b>68.1%</b>
Moisture content	0.2% Max
PH	7.0 - 7.2 as 1% in distilled water
<b>Maximum Limits of Impurities</b>	
Copper	0.01%
Silver	Traces
Other Metals [ Fi,Hi]	Traces
Chloride	0.1%
Sulphate	0.01%
Free KCN	0.05%
Residue after dissolution	Nil
Clarity of Solution	Clear

Product:	Spec. #:
<b>Gold Cyanide</b>	<b>Formula: AUCN</b>
Grade: LR	
<b>Test</b>	<b>Limits</b>
Description	Yellow Crystalline Powder
Minimum AU content	<b>87.50%</b>
<b>Maximum Limits of Impurities</b>	500 ppm

Product:	Spec. #:
<b>Gold Powder</b>	
Grade: LR	
<b>Test</b>	<b>Limits</b>
Description	Rust coloured Powder
Mesh Size	200 mesh
AU content	<b>99.99%</b>
<b>Maximum Limits of Impurities</b>	100 ppm

Product:	Spec. #:
<b>CHLORO AURIC ACID</b>	<b>Formula: HAuCl<sub>4</sub>.XH<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Description	Orange Yellow Crystalline Powder
Stability	Highly Hygroscopic
Minimum AU content	<b>48.0%</b>
<b>Maximum Limits of Impurities</b>	500 ppm

Product:	Spec. #:
<b>Potassium Tetrachloroaurate (III)</b>	<b>Formula: KAuCl<sub>4</sub>.H<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	396.06
Description	Yellow crystals
Minimum AU content	<b>49.24%</b>
Solubility	Water soluble
Stability	Protect from light
Typical Purity	99.90%
<b>Maximum Limits of Impurities</b>	500 ppm

Product:	Spec.#:
<b>Sodium Tetrachloroaurate (III)</b>	<b>Formula: NaAuCl<sub>4</sub>.H<sub>2</sub>O</b>
Grade: AR	
<b>Test</b>	<b>Limits</b>
Molecular Weight	379.78
Description	Orange Yellow crystals
Minimum AU content	<b>51.34%</b>
Solubility	Water soluble
Typical Purity	99.90%
<b>Maximum Limits of Impurities</b>	500 ppm