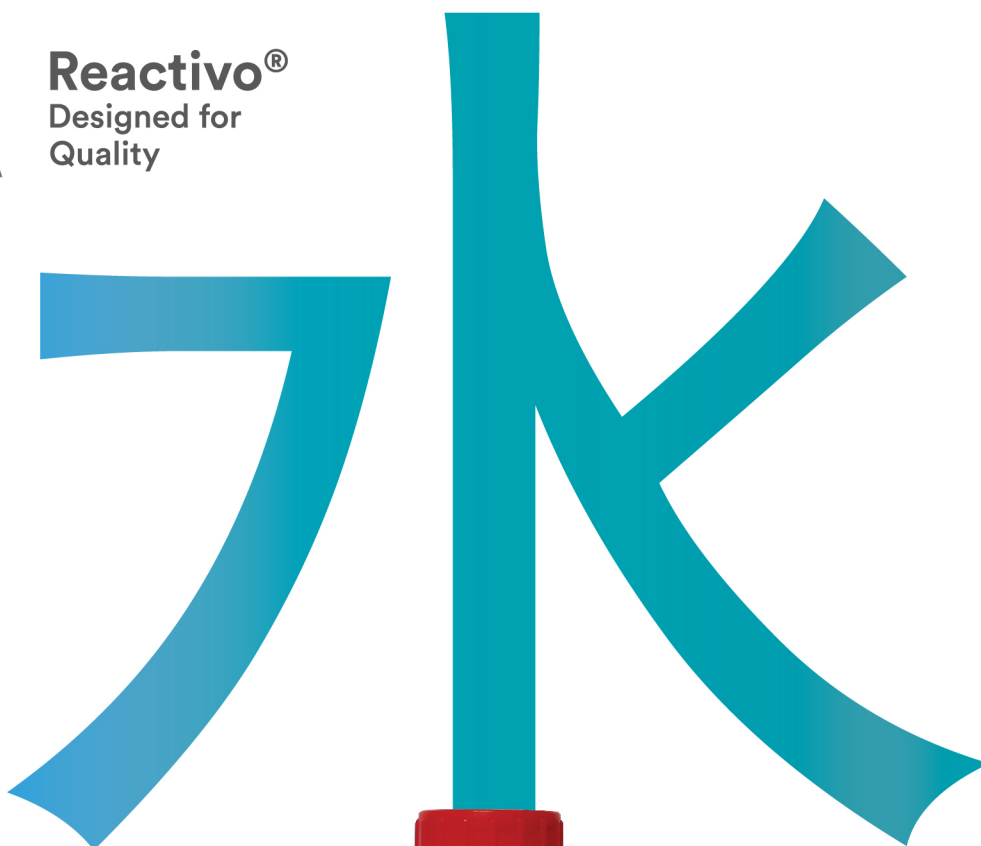




**Reactivo®**  
Designed for  
Quality



PRODUCT CATALOGUE

# Water Analysis

# 2024

Buffer | Titration | Indicators | Reagents

Edition 01



**MADE IN  
SINGAPORE**



[www.reactivo.com.sg](http://www.reactivo.com.sg)

Reactivo Reagent & Chemical Pte. Ltd.



About our products

## Water Analysis Reagents

Environmental Series

Reactivo® offers a wide variety of Buffers that are key to ensure accuracy of pH readings, from technical buffers to high precision NIST Standard reference buffer that supports all application and requirements.



Our Motto

# Designed for Quality

At Reactivo®, we are committed to delivering superior quality products that are "Designed for Quality." From our careful selection of raw materials to our state-of-the-art facilities and instrumental support, manufactured with **ISO17025** standard accredited QC method

- Team Reactivo®



### Time & Cost Saving

Reactivo® saves you time and cost with customisable reagents and titrants available in various packaging sizes. Our ready-made products offer assured quality, eliminating the need for re-measuring and saving valuable lab time and reducing man-hourly costs.



### Freshly made-to-order

As the sole local manufacturer of chemicals and reagents, Reactivo® provides timely delivery services to ensure the stability of your supply chain and the sustainability of your business.



### Reliable Quality

At Reactivo®, we take pride in our reliable quality standards. Our manufacturing and quality control processes are in compliance with ISO/IEC 9001 and all of our products are rigorously tested for quality with a Certificate of Analysis. This ensures the stability of the solution for the entire shelf life of our products, even in unopened bottles.



### Value added service

Reactivo® offers high-quality aqueous, non-aqueous, and complex titrants and reagents to support your unique testing protocols and applications. Our technical knowledge and experience ensures that our products enhance the accuracy and efficiency of your lab work and meet your specific needs.

# A | Alumina

## Alumina Standard Solution (5% Hydrochloric Acid Matrix)

**P** 500mL

Concentration	Reference Code
1000µg/mL	R.WTAL01.500

# A | Ammonia

## Ammonia Standard Solution

**P** 100mL

Concentration	Reference Code
100µg/mL	R.WTNH02.100
500µg/mL	R.WTNH03.100
1000µg/mL	R.WTNH01.100

**P** 500mL

Concentration	Reference Code	Concentration	Reference Code
100µg/mL	R.WTNH02.100	100µg/mL	R.WTNH02.500
500µg/mL	R.WTNH03.100		
1000µg/mL	R.WTNH01.100		

## Ammonia Standard Solution (0.005mol/L sulfuric Acid Matrix)

**P** 100mL

Concentration	Reference Code
1000µg/mL	R.WTNH04.100

## Ammonia Nitrogen Standard Solution

**P** 100mL

Concentration	Reference Code
5µg/mL	R.WTAN21.100
8µg/mL	R.WTAN25.100
80µg/mL	R.WTAN24.100
500µg/mL	R.WTAN20.100

**P** 500mL

Concentration	Reference Code	Concentration	Reference Code
5µg/mL	R.WTAN21.500	5µg/mL	R.WTAN21.500
8µg/mL	R.WTAN22.500	7.5µg/mL	R.WTAN22.500
80µg/mL	R.WTAN25.500	8µg/mL	R.WTAN25.500
500µg/mL	R.WTAN24.500	80µg/mL	R.WTAN24.500

**P** 1000mL

Concentration	Reference Code	Concentration	Reference Code	Concentration	Reference Code
5µg/mL	R.WTAN21.901	5µg/mL	R.WTAN21.901	5µg/mL	R.WTAN21.901
8µg/mL	R.WTAN23.901	70µg/mL	R.WTAN23.901		

# C | Chemical Oxygen Demand (CODCr)

## Chemical Oxygen Demand Standard Solution

**P** 100mL

Concentration	Reference Code
20µg/mL	R.WTOD10.100
25µg/mL	R.WTOD12.100
30µg/mL	R.WTOD14.100
40µg/mL	R.WTOD17.100
50µg/mL	R.WTOD20.100
70µg/mL	R.WTOD22.100
80µg/mL	R.WTOD24.100
100µg/mL	R.WTOD03.100
120µg/mL	R.WTOD05.100
150µg/mL	R.WTOD07.100
200µg/mL	R.WTOD09.100
300µg/mL	R.WTOD13.100
400µg/mL	R.WTOD16.100
500µg/mL	R.WTOD19.100
800µg/mL	R.WTOD23.100
1000µg/mL	R.WTOD02.100
1500µg/mL	R.WTOD06.100
2000µg/mL	R.WTOD08.100
2500µg/mL	R.WTOD11.100
4000µg/mL	R.WTOD15.100
5000µg/mL	R.WTOD18.100
10000µg/mL	R.WTOD01.100

**P** 500mL

Concentration	Reference Code	Concentration	Reference Code
20µg/mL	R.WTOD10.500	20µg/mL	R.WTOD10.500
25µg/mL	R.WTOD12.500	25µg/mL	R.WTOD12.500
40µg/mL	R.WTOD17.500	40µg/mL	R.WTOD17.500
50µg/mL	R.WTOD20.500	50µg/mL	R.WTOD20.500
60µg/mL	R.WTOD21.500	60µg/mL	R.WTOD21.500
70µg/mL	R.WTOD22.500	70µg/mL	R.WTOD22.500
80µg/mL	R.WTOD24.500	80µg/mL	R.WTOD24.500
100µg/mL	R.WTOD03.500	100µg/mL	R.WTOD03.500
150µg/mL	R.WTOD07.500	150µg/mL	R.WTOD07.500
200µg/mL	R.WTOD10.500	200µg/mL	R.WTOD10.500
300µg/mL	R.WTOD13.500	300µg/mL	R.WTOD13.500
400µg/mL	R.WTOD16.500	400µg/mL	R.WTOD16.500
500µg/mL	R.WTOD19.500	500µg/mL	R.WTOD19.500
800µg/mL	R.WTOD23.500	800µg/mL	R.WTOD23.500
1000µg/mL	R.WTOD02.500	1000µg/mL	R.WTOD02.500
1500µg/mL	R.WTOD06.500	1500µg/mL	R.WTOD06.500
2500µg/mL	R.WTOD11.500	2500µg/mL	R.WTOD11.500
4000µg/mL	R.WTOD15.500	4000µg/mL	R.WTOD15.500
10000µg/mL	R.WTOD01.500	10000µg/mL	R.WTOD01.500

**P** 1000mL

Concentration	Reference Code	Concentration	Reference Code
40µg/mL	R.WTOD17.901	40µg/mL	R.WTOD17.901
60µg/mL	R.WTOD21.901	60µg/mL	R.WTOD21.901
200µg/mL	R.WTOD09.901	200µg/mL	R.WTOD09.901
500µg/mL	R.WTOD19.901	500µg/mL	R.WTOD19.901

## N | Nitrate

### Nitrate Nitrogen **Standard Solution**

**P** 100mL

Concentration	Reference Code
10µg/mL	R.WTNN03.100
100µg/mL	R.WTNN02.100
300µg/mL	R.WTNN04.100
500µg/mL	R.WTNN05.100
1000µg/mL	R.WTNN01.100

## N | Nitrite

### Nitrite Nitrogen **Standard Solution**

**P** 100mL

Concentration	Reference Code
50µg/mL	R.WTIN01.100
100µg/mL	R.WTIN02.100
250µg/mL	R.WTIN03.100
1000µg/mL	R.WTIN04.100

## P | Platinum Cobalt

### Platinum Cobalt **Standard Solution**

**P** 100mL

Concentration	Reference Code
10 Hazen Unit	R.WTNN03.100
20 Hazen Unit	R.WTNN02.100
30 Hazen Unit	R.WTNN04.100
50 Hazen Unit	R.WTNN05.100
80 Hazen Unit	R.WTNN01.100
100 Hazen Unit	R.WTNN04.100
200 Hazen Unit	R.WTNN05.100
500 Hazen Unit	R.WTNN01.100

## P | Potassium Chloride

### Potassium Chloride Conductivity **Standard Solution**

**P** 100mL

**P** 500mL

**P** 1000mL

Concentration	Reference Code	Concentration	Reference Code	Concentration	Reference Code
12.88µs/cm (25°C)	R.WTCO10.100	12.88µs/cm (25°C)	R.WTCO10.500	25µs/cm (25°C)	R.WTCO26.901
15µs/cm (25°C)	R.WTCO18.100	15µs/cm (25°C)	R.WTCO18.500	84µs/cm (25°C)	R.WTCO44.901
25µs/cm (25°C)	R.WTCO26.100	20µs/cm (25°C)	R.WTCO24.500	1408µs/cm (25°C)	R.WTCO13.901
30µs/cm (25°C)	R.WTCO30.100	25µs/cm (25°C)	R.WTCO26.500		
50µs/cm (25°C)	R.WTCO39.100	50µs/cm (25°C)	R.WTCO39.500		
84µs/cm (25°C)	R.WTCO44.100	84µs/cm (25°C)	R.WTCO44.500		
100µs/cm (25°C)	R.WTCO06.100	100µs/cm (25°C)	R.WTCO06.500		
147µs/cm (25°C)	R.WTCO15.100	200µs/cm (25°C)	R.WTCO22.500		
180µs/cm (25°C)	R.WTCO19.100	250µs/cm (25°C)	R.WTCO25.500		
200µs/cm (25°C)	R.WTCO22.100	350µs/cm (25°C)	R.WTCO31.500		
1413µs/cm (25°C)	R.WTCO14.100	400µs/cm (25°C)	R.WTCO33.500		
12.88ms/cm (25°C)	R.WTCO09.100	500µs/cm (25°C)	R.WTCO37.500		
		842µs/cm (25°C)	R.WTCO43.500		
		1000µs/cm (25°C)	R.WTCO04.500		
		1400µs/cm (25°C)	R.WTCO12.500		
		1408µs/cm (25°C)	R.WTCO13.500		
		1413µs/cm (25°C)	R.WTCO14.500		
		1500µs/cm (25°C)	R.WTCO16.500		
		2000µs/cm (25°C)	R.WTCO20.500		
		2764µs/cm (25°C)	R.WTCO27.500		
		3000µs/cm (25°C)	R.WTCO28.500		
		4000µs/cm (25°C)	R.WTCO32.500		
		5000µs/cm (25°C)	R.WTCO36.500		
		8000µs/cm (25°C)	R.WTCO41.500		
		10ms/cm (25°C)	R.WTCO07.500		
		12ms/cm (25°C)	R.WTCO11.500		
		12.88ms/cm (25°C)	R.WTCO09.500		
		20ms/cm (25°C)	R.WTCO23.500		
		30ms/cm (25°C)	R.WTCO29.500		
		50ms/cm (25°C)	R.WTCO38.500		
		80ms/cm (25°C)	R.WTCO42.500		
		90ms/cm (25°C)	R.WTCO45.500		
		100ms/cm (25°C)	R.WTCO05.500		
		111ms/cm (25°C)	R.WTCO08.500		
		200ms/cm (25°C)	R.WTCO21.500		
		400ms/cm (25°C)	R.WTCO34.500		

# T | Total Hardness

## Total Hardness **Solution (in Water)**

**P** 500mL

Concentration	Reference Code
0.2µg/mL	R.WTHA01.500
0.9µg/mL	R.WTHA02.500
3.8µg/mL	R.WTHA04.500
10µg/mL	R.WTHA03.500

# T | Total Nitrogen

## Total Nitrogen **Standard Solution**

**P** 100mL

**P** 500mL

Concentration	Reference Code	Concentration	Reference Code
1µg/mL	R.WTTN07.100	1.5µg/mL	R.WTTN03.500
2µg/mL	R.WTTN12.100	5µg/mL	R.WTTN18.500
2.5µg/mL	R.WTTN08.100	10µg/mL	R.WTTN05.500
10µg/mL	R.WTTN05.100	15µg/mL	R.WTTN06.500
15µg/mL	R.WTTN06.100	20µg/mL	R.WTTN10.500
20µg/mL	R.WTTN10.100	25µg/mL	R.WTTN11.500
25µg/mL	R.WTTN11.100	50µg/mL	R.WTTN17.500
30µg/mL	R.WTTN13.100	80µg/mL	R.WTTN22.500
50µg/mL	R.WTTN17.100	100µg/mL	R.WTTN01.500
70µg/mL	R.WTTN20.100	1000µg/mL	R.WTTN04.500
80µg/mL	R.WTTN22.100		
100µg/mL	R.WTTN04.100		
500µg/mL	R.WTTN16.100		
1000µg/mL	R.WTTN04.100		

# T | Total Phosphorus

## Total Phosphorus **Standard Solution**

**P** 100mL

**P** 500mL

**P** 1000mL

Concentration	Reference Code	Concentration	Reference Code	Concentration	Reference Code
0.1µg/mL	R.WTTP15.100	0.2µg/mL	R.WTTP02.500	1.5µg/mL	R.WTTP05.901
0.2µg/mL	R.WTTP17.100	0.4µg/mL	R.WTTP03.500	15µg/mL	R.WTTP07.901
0.25µg/mL	R.WTTP01.100	0.5µg/mL	R.WTTP04.500		
0.5µg/mL	R.WTTP17.100	1µg/mL	R.WTTP08.500		
1µg/mL	R.WTTP23.100	1.5µg/mL	R.WTTP18.500		
2µg/mL	R.WTTP26.100	2µg/mL	R.WTTP26.500		
3µg/mL	R.WTTP27.100	3µg/mL	R.WTTP10.500		
4µg/mL	R.WTTP11.100	10µg/mL	R.WTTP21.500		
5µg/mL	R.WTTP13.100	16µg/mL	R.WTTP22.500		
10µg/mL	R.WTTP21.100	100µg/mL	R.WTTP20.500		
20µg/mL	R.WTTP25.100	1000µg/mL	R.WTTP06.500		
50µg/mL	R.WTTP12.100				
100µg/mL	R.WTTP19.100				
200µg/mL	R.WTTP24.100				
500µg/mL	R.WTTP29.100				
700µg/mL	R.WTTP31.100				

# W | Water Quality Hardness

## Water Quality Hardness **Standard Solution** (Standard Material to Calcium Oxide)

**P** 100mL

Concentration	Reference Code
1156µg/mL	R.WTTH01.100

# W | Water Turbidity

## Water Turbidity **Standard Solution**

**P** 100mL

Concentration	Reference Code
100NTU	R.WTNT02.100
400NTU	R.WTNT04.100
500NTU	R.WTNT05.100
800NTU	R.WTNT06.100
1000NTU	R.WTNT01.100
4000NTU	R.WTNT03.100

# A | Acetate

## Sodium Acetate Buffer Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
pH 3	R.PHAS08.500	pH 3.5	R.PHAS05.901
pH 3.5	R.PHAS05.500	pH 4.7	R.PHAS04.901
pH 4.1	R.PHAS06.500		
pH 4.5	R.PHAS07.500		
pH 4.7	R.PHAS04.500		
pH 5.00	R.PHAS03.500		
pH 5.5	R.PHAS02.500		
pH 6	R.PHAS01.500		

## Ammonium Acetate Buffer Solution

500mL

Concentration	Reference Code
pH 4.5	R.PHAC01.500
pH 6	R.PHAC02.500

## Ammonium Acetate Buffer Solution (with Hydrochloric Acid)

500mL

Concentration	Reference Code
pH 3.5	R.PHAA04.500

# A | Ammonia

## Ammonium Chloride Buffer Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
pH 9.0	R.PHAA03.500	pH 9.5	R.PHAA02.901
pH 9.5	R.PHAA02.500	pH 10	R.PHAA01.901
pH 10	R.PHAA01.500		

# B | Borax

## Borax Buffer

500mL

Concentration	Reference Code
N/A	R.PHBO01.500

# E | EDTA

## EDTA-mcllvaine Buffer Solution (Citric acid+Disodium hydrogen phosphate)

500mL

Concentration	Reference Code
pH 4.0	R.PHMC01.500
pH 5	R.PHMC02.500

# I | Ion

## Ion Strength Buffer I (Trisodium Citrate + Hydrochloric Acid)

500mL

Concentration	Reference Code
N/A	R.PHTW01.500

# I | Ionic

## Ionic Strength Buffer II (Sodium Chloride + Trisodium Citrate + Glacial Acetic Acid + Sodium Hydroxide)

500mL

Concentration	Reference Code
N/A	R.PHIS01.500



# P | pH Standard

## pH Standard Buffer Solution (20°C)

Composition	Temp.	Concentration	Vol.	Reference Code
Citric Acid Monohydrate + Sodium Hydroxide + Hydrochloric Acid	20°C	pH 2.00	500ml	R.PHCH02.500
Boric Acid + Sodium Hydroxide	20°C	pH 11.00	500ml	R.PHBS01.500
Sodium Hydroxide	20°C	pH 13.00	500ml	R.PHSH01.500

## pH Standard Buffer Solution (25°C)

Composition	Temp.	Concentration	Vol.	Reference Code
Hydrochloric Acid + Potassium Chloride	25°C	pH 1.00	500ml	R.PHHP03.500
Hydrochloric Acid + Potassium Chloride	25°C	pH 1.4	500ml	R.PHHP02.500
Potassium Tetraoxalate	25°C	pH 1.68	500ml	R.PHPT01.500
Citric Acid Monohydrate + Sodium Hydroxide + Hydrochloric Acid	25°C	pH 2.00	500ml	R.PHCH03.500
Hydrochloric Acid + Potassium Chloride	25°C	pH 2.00	500ml	R.PHHP01.500
Citric Acid Monohydrate + Sodium Hydroxide + Hydrochloric Acid	25°C	pH 3.00	500ml	R.PHCH01.500
Hydrochloric Acid + Potassium Hydrogen Phthalate	25°C	pH 3.78	500ml	R.PHCH01.500
Potassium Hydrogen Phthalate	25°C	pH 4.00	500ml	R.PHKK03.500
Potassium Hydrogen Phthalate	25°C	pH 4.00	1000ml	R.PHKK03.901
Potassium Hydrogen Phthalate	25°C	pH 4.01	500ml	R.PHKK02.500
Potassium Hydrogen Phthalate	25°C	pH 4.01	1000ml	R.PHKK02.901
Potassium Hydrogen Phthalate	25°C	pH 4.012	500ml	R.PHKK01.500
Sodium Hydroxide + Potassium Hydrogen Phthalate	25°C	pH 4.5	500ml	R.PHPP03.500
Sodium Hydroxide + Potassium Hydrogen Phthalate	25°C	pH 5.00	500ml	R.PHPP02.500
Sodium Hydroxide + Potassium Hydrogen Phthalate	25°C	pH 5.4	500ml	R.PHPP01.500
Sodium Hydroxide + Potassium Dihydrogen Phosphate	25°C	pH 6.00	500ml	R.PHSP02.500
Sodium Hydroxide + Potassium Dihydrogen Phosphate	25°C	pH 6.5	500ml	R.PHSP03.500
Sodium Hydroxide + Potassium Dihydrogen Phosphate	25°C	pH 6.86	500ml	R.PHPP02.500
Sodium Hydroxide + Potassium Dihydrogen Phosphate	25°C	pH 6.86	1000ml	R.PHPP02.901
Potassium Dihydrogen Phosphate + Disodium Hydrogen Phosphate	25°C	pH 6.863	500ml	R.PHPP01.500
Potassium Dihydrogen Phosphate + Disodium Hydrogen Phosphate	25°C	pH 7.00	500ml	R.PHPP01.500
Potassium Dihydrogen Phosphate + Disodium Hydrogen Phosphate	25°C	pH 7.00	1000ml	R.PHPP01.901
Potassium Dihydrogen Phosphate + Disodium Hydrogen Phosphate	25°C	pH 7.4	500ml	R.PHPP03.500
Potassium Dihydrogen Phosphate + Disodium Hydrogen Phosphate	25°C	pH 7.5	500ml	R.PHPP05.500
Potassium Dihydrogen Phosphate + Disodium Hydrogen Phosphate	25°C	pH 8.0	500ml	R.PHPP04.500
Sodium Hydroxide + Potassium Dihydrogen Phosphate	25°C	pH 8.00	500ml	R.PHSP01.500
Standard Buffer Solution	25°C	pH 9.0	500ml	R.PHOO01.500
Sodium Carbonate + Sodium Bi-carbonate	25°C	pH 9.00	500ml	R.PHSS02.500
Sodium Tetraborate	25°C	pH 9.184	500ml	R.PHST01.500
Sodium Tetraborate	25°C	pH 9.18	500ml	R.PHST02.500
Sodium Tetraborate	25°C	pH 9.18	1000ml	R.PHST02.901
Sodium Tetraborate	25°C	pH 9.21	500ml	R.PHST03.500
Sodium Carbonate + Sodium Bi-carbonate	25°C	pH 10.00	500ml	R.PHSS01.500
Sodium Carbonate + Sodium Bi-carbonate	25°C	pH 10.00	1000ml	R.PHSS01.901
Disodium Hydrogen Phosphate + Sodium Hydroxide	25°C	pH 12.00	500ml	R.PHDP01.500
Calcium Hydroxide	25°C	pH 12.46	500ml	R.PHCH01.500

# T | Total Ionic

## Total Ionic Strength Buffer I (Sodium Citrate Dihydrate + Hydrochloric Acid)

**P** 500mL

Concentration	Reference Code
N/A	R.PHTI01.500

# S | Sodium Citrate

## Sodium Citrate Buffer

**P** 500mL

Concentration	Reference Code
pH 5.0	R.PHSC01.500

## A Ammonium

### Ammonium Cerium Sulfate Standard Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
0.02mol/L	R.TIAC03.500	0.02mol/L	R.TIAC03.901
0.1mol/L	R.TIAC02.500	0.1mol/L	R.TIAC02.901
0.15mol/L	R.TIAC01.500	0.15mol/L	R.TIAC01.901

### Ammonium Ferric Sulfate Standard Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
0.1mol/L	R.TIFA03.500	0.4mol/L	R.TIFA04.901
0.25mol/L	R.TIFA02.500	0.5mol/L	R.TIFA01.901
0.4mol/L	R.TIFA04.500		
0.5mol/L	R.TIFA01.500		

### Ammonium Thiocyanate Standard Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
0.05mol/L	R.TIAT03.500	0.05mol/L	R.TIAT03.901
0.1mol/L	R.TIAT02.500	0.1mol/L	R.TIAT02.901
1mol/L	R.TIAT01.500		

## B Bismuth

### Bismuth Nitrate Standard Solution

500mL

Concentration	Reference Code
0.05mol/L	R.TIBI01.500

## B Bromine

### Bromine Standard Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
0.05mol/L	R.TIBR06.500	0.1mol/L	R.TIBR05.901
0.1mol/L	R.TIBR05.500	0.4mol/L	R.TIBR02.901
0.2mol/L	R.TIBR04.500		
0.25mol/L	R.TIBR03.500		
0.4mol/L	R.TIBR02.500		
0.5mol/L	R.TIBR01.500		

## C Calcium

### Calcium Chloride Standard Solution

500mL

1000mL

Concentration	Reference Code	Concentration	Reference Code
0.01mol/L	R.TICC02.500	0.01mol/L	R.TICC02.901
0.025mol/L	R.TICC05.500	0.025mol/L	R.TICC05.901
0.05mol/L	R.TICC06.500		
0.1mol/L	R.TICC01.500		
0.2mol/L	R.TICC04.500		
0.25mol/L	R.TICC03.500		



# Cerium

## Cerium Sulfate Standard Solution

500mL

Concentration	Reference Code
0.01mol/L	R.TICS01.500
0.02mol/L	R.TICS02.500
0.05mol/L	R.TICE04.500
0.1mol/L	R.TICE03.500
0.2mol/L	R.TICE01.500

1000mL

Concentration	Reference Code
0.05mol/L	R.TICE04.901
0.1mol/L	R.TICE03.901
0.15mol/L	R.TICE02.901

# Copper

## Copper Nitrate Standard Solution

500mL

Concentration	Reference Code
0.01mol/L	R.TICN01.500
0.05mol/L	R.TICN02.500

1000mL

Concentration	Reference Code
0.05mol/L	R.TICN01.901

## Copper Sulfate Standard Solution

500mL

Concentration	Reference Code
0.01mol/L	R.TICU08.500
0.016mol/L	R.TICU07.500
0.02mol/L	R.TICU06.500
0.025mol/L	R.TICU09.500
0.03mol/L	R.TICU05.500
0.032mol/L	R.TICU04.500
0.05mol/L	R.TICU03.500
0.1mol/L	R.TICU02.500
0.2mol/L	R.TICU10.500
0.5mol/L	R.TICU01.500

1000mL

Concentration	Reference Code
0.01mol/L	R.TICU08.901
0.016mol/L	R.TICU07.901
0.03mol/L	R.TICU05.901
0.05mol/L	R.TICU03.901
0.1mol/L	R.TICU01.901
0.5mol/L	R.TICU02.901

# Ferric

## Ferric Chloride Standard Solution

500mL

Concentration	Reference Code
0.1mol/L	R.TIFC01.500

# Hydrochloric Acid

## Hydrochloric Acid Standard Solution

500mL

Concentration	Reference Code
0.01 mol/L	R.TIHC01.500
0.02 mol/L	R.TIHC02.500
0.025 mol/L	R.TIHC03.500
0.05 mol/L	R.TIHC04.500
0.1 mol/L	R.TIHC05.500
0.15 mol/L	R.TIHC06.500
0.2 mol/L	R.TIHC07.500
0.25 mol/L	R.TIHC08.500
0.3 mol/L	R.TIHC09.500
0.5 mol/L	R.TIHC10.500
1 mol/L	R.TIHC11.500
1.2 mol/L	R.TIHC12.500
1.5 mol/L	R.TIHC13.500
2 mol/L	R.TIHC14.500

1000mL

Concentration	Reference Code
0.01 mol/L	R.TIHC01.901
0.02 mol/L	R.TIHC02.901
0.05 mol/L	R.TIHC03.901
0.1 mol/L	R.TIHC04.901
0.15 mol/L	R.TIHC05.901
0.2 mol/L	R.TIHC06.901
0.5 mol/L	R.TIHC07.901
1 mol/L	R.TIHC08.901
1.2 mol/L	R.TIHC09.901
2 mol/L	R.TIHC10.901

# Titration Standard Index

Description	Concentration	Vol.	Reference Code
Iodine Standard Solution	0.01 mol/L	500ml	R.TIO05.500
Iodine Standard Solution	0.02 mol/L	500ml	R.TIO04.500
Iodine Standard Solution	0.03 mol/L	500ml	R.TIO06.500
Iodine Standard Solution	0.05 mol/L	500ml	R.TIO03.500
Iodine Standard Solution	0.1 mol/L	500ml	R.TIO02.500
Iodine Standard Solution	0.2 mol/L	500ml	R.TIO01.500
Iodine Standard Solution	0.01 mol/L	1000ml	R.TIO05.901
Iodine Standard Solution	0.05 mol/L	1000ml	R.TIO03.901
Iodine Standard Solution	0.1 mol/L	1000ml	R.TIO02.901
Iodine Standard Solution	0.2 mol/L	500ml	R.TIO01.901
Lead acetate standard solution	0.05 mol/L	500ml	R.TILA01.500
Lead acetate standard solution	0.025 mol/L	500ml	R.TILA02.500
Lead acetate standard solution	0.05 mol/L	1000ml	R.TILA01.901
Magnesium chloride standard solution	0.01 mol/L	500ml	R.TIMC04.500
Magnesium chloride standard solution	0.05 mol/L	500ml	R.TIMC03.500
Magnesium chloride standard solution	0.1 mol/L	500ml	R.TIMC02.500
Magnesium chloride standard solution	1 mol/L	500ml	R.TIMC01.500
Magnesium chloride standard solution	0.05 mol/L	1000ml	R.TIMC03.901
Magnesium chloride standard solution	0.1 mol/L	1000ml	R.TIMC02.901
Magnesium sulfate standard solution	0.05 mol/L	500ml	R.TIMG03.500
Magnesium sulfate standard solution	0.01 mol/L	500ml	R.TIMG02.500
Magnesium sulfate standard solution	0.5 mol/L	500ml	R.TIMG01.500
Magnesium sulfate standard solution	0.01 mol/L	1000ml	R.TIMG02.901
Mercury nitrate standard solution	0.014 mol/L	500ml	R.TIMN07.500
Mercury nitrate standard solution	0.01 mol/L	500ml	R.TIMN05.500
Mercury nitrate standard solution	0.025 mol/L	500ml	R.TIMN08.500
Mercury nitrate standard solution	0.04 mol/L	500ml	R.TIMN03.500
Mercury nitrate standard solution	0.05 mol/L	500ml	R.TIMN02.500
Mercury nitrate standard solution	0.1 mol/L	500ml	R.TIMN01.500
Mercury nitrate standard solution	0.2 mol/L	500ml	R.TIMN06.500
Mercury nitrate standard solution	0.01 mol/L	1000ml	R.TIMN05.901
Mercury nitrate standard solution	0.02 mol/L	1000ml	R.TIMN04.901
Mercury nitrate standard solution	0.05 mol/L	1000ml	R.TIMN02.901
Mercury nitrate standard solution	0.1 mol/L	1000ml	R.TIMN01.901
Nickel sulfate standard solution	0.01 mol/L	500ml	R.TICN03.500
Nickel sulfate standard solution	0.05 mol/L	500ml	R.TICN02.500
<b>Nickel sulfate standard solution</b>	0.1 mol/L	500ml	R.TICN01.500
Nickel sulfate standard solution	0.01 mol/L	1000ml	R.TICN03.901
Nickel sulfate standard solution	0.05 mol/L	1000ml	R.TICN02.901
Nickel sulfate standard solution	0.1 mol/L	1000ml	R.TICN01.901
Nickel sulfate standard solution	0.2 mol/L	1000ml	R.TICN05.901
Nickel sulfate standard solution	0.5 mol/L	1000ml	R.TICN04.901
Nitric acid standard solution	0.01 mol/L	500ml	<b>R.TINA04.500</b>
Nitric acid standard solution	0.02 mol/L	500ml	R.TINA07.500
Nitric acid standard solution	0.05 mol/L	500ml	R.TINA06.500
Nitric acid standard solution	0.1 mol/L	500ml	R.TINA03.500
Nitric acid standard solution	0.2 mol/L	500ml	R.TINA08.500
Nitric acid standard solution	0.5 mol/L	500ml	R.TINA05.500
Nitric acid standard solution	1 mol/L	500ml	R.TINA02.500
Nitric acid standard solution	2 mol/L	500ml	R.TINA01.500
Nitric acid standard solution	0.01 mol/L	1000ml	<b>R.TINA04.901</b>
Nitric acid standard solution	0.05 mol/L	1000ml	R.TINA06.901
Nitric acid standard solution	0.1 mol/L	1000ml	R.TINA03.901
Nitric acid standard solution	1 mol/L	1000ml	R.TINA02.901
Oxalic acid standard solution	0.01 mol/L	500ml	R.TIOA05.500
Oxalic acid standard solution	0.02 mol/L	500ml	R.TIOA04.500
Oxalic acid standard solution	0.05 mol/L	500ml	R.TIOA06.500

## Index

Description	Concentration	Vol.	Reference Code
Oxalic acid standard solution	0.1 mol/L	500ml	R.TIOA03.500
Oxalic acid standard solution	0.2 mol/L	500ml	R.TIOA02.500
Oxalic acid standard solution	0.5 mol/L	500ml	R.TIOA01.500
Oxalic acid standard solution	0.01 mol/L	1000ml	R.TIOA05.901
Oxalic acid standard solution	0.1 mol/L	1000ml	R.TIOA03.901
Perchloric acid standard solution	0.1 mol/L	500ml	R.TIPC01.500
Phosphoric acid standard solution	0.1 mol/L	500ml	R.TIPA01.500
Potassium bromate standard solution	0.05 mol/L	500ml	R.TIKB04.500
Potassium bromate standard solution	0.1 mol/L	500ml	R.TIKB03.500
Potassium bromate standard solution	0.6 mol/L	500ml	R.TIKB02.500
Potassium bromate standard solution	1 mol/L	500ml	R.TIKB01.500
Potassium bromate standard solution	0.1 mol/L	1000ml	R.TIKB01.901
Potassium bromate standard solution	1 mol/L	1000ml	R.TIKB03.901
Potassium chloride solution	3.3 mol/L	500ml	R.TIKC01.500
Potassium dichromate standard solution	0.015 mol/L	500ml	R.TIKD11.500
Potassium dichromate standard solution	0.025 mol/L	500ml	R.TIKD08.500
Potassium dichromate standard solution	0.02 mol/L	500ml	R.TIKD06.500
Potassium dichromate standard solution	0.05 mol/L	500ml	R.TIKD05.500
Potassium dichromate standard solution	0.1 mol/L	500ml	R.TIKD04.500
Potassium dichromate standard solution	0.15 mol/L	500ml	R.TIKD10.500
Potassium dichromate standard solution	0.2 mol/L	500ml	R.TIKD03.500
Potassium dichromate standard solution	0.25 mol/L	500ml	R.TIKD02.500
Potassium dichromate standard solution	0.3 mol/L	500ml	R.TIKD01.500
Potassium dichromate standard solution	0.5 mol/L	500ml	R.TIKD09.500
Potassium dichromate standard solution	0.6 mol/L	500ml	R.TIKD07.500
Potassium dichromate standard solution	0.8 mol/L	500ml	R.TIKD12.500
Potassium dichromate standard solution	0.025 mol/L	1000ml	R.TIKD08.901
Potassium dichromate standard solution	0.05 mol/L	1000ml	R.TIKD05.901
Potassium dichromate standard solution	0.1 mol/L	1000ml	R.TIKD04.901
Potassium dichromate standard solution	0.25 mol/L	1000ml	R.TIKD02.901
Potassium hydrogen phthalate standard solution	0.02 mol/L	500ml	R.TIKH02.500
Potassium hydrogen phthalate standard solution	0.05 mol/L	500ml	R.TIKH03.500
Potassium hydrogen phthalate standard solution	0.01 mol/L	500ml	R.TIKH01.500
Potassium hydrogen phthalate standard solution	0.02 mol/L	1000ml	R.TIKH02.901
Potassium hydrogen phthalate standard solution	0.05 mol/L	1000ml	R.TIKH03.901
Potassium hydroxide standard solution	0.01 mol/L	500ml	R.TIKO06.500
Potassium hydroxide standard solution	0.02 mol/L	500ml	R.TIKO07.500
Potassium hydroxide standard solution	0.05 mol/L	500ml	R.TIKO05.500
Potassium hydroxide standard solution	0.1 mol/L	500ml	R.TIKO04.500
Potassium hydroxide standard solution	0.2 mol/L	500ml	R.TIKO03.500
Potassium hydroxide standard solution	0.5 mol/L	500ml	R.TIKO02.500
Potassium hydroxide standard solution	1 mol/L	500ml	R.TIKO01.500
Potassium hydroxide standard solution	0.05 mol/L	1000ml	R.TIKO05.901
Potassium hydroxide standard solution	0.1 mol/L	1000ml	R.TIKO04.901
Potassium hydroxide standard solution	0.2 mol/L	1000ml	R.TIKO03.901
Potassium hydroxide standard solution	0.5 mol/L	1000ml	R.TIKO02.901
Potassium hydroxide standard solution	1 mol/L	1000ml	R.TIKO01.901
Potassium iodide standard solution	0.01 mol/L	500ml	R.TIKI03.500
Potassium iodide standard solution	0.02 mol/L	500ml	R.TIKI05.500
Potassium iodide standard solution	0.05 mol/L	500ml	R.TIKI06.500
Potassium iodide standard solution	0.1 mol/L	500ml	R.TIKI02.500
Potassium iodide standard solution	0.5 mol/L	500ml	R.TIKI01.500
Potassium iodide standard solution	1 mol/L	500ml	R.TIKI04.500
Potassium iodide standard solution	0.01 mol/L	1000ml	R.TIKI03.901
Potassium permanganate standard solution	0.01 mol/L	500ml	R.TIKM08.500
Potassium permanganate standard solution	0.02 mol/L	500ml	R.TIKM07.500
Potassium permanganate standard solution	0.025 mol/L	500ml	R.TIKM06.500

# Titration Standard Index

Description	Concentration	Vol.	Reference Code
Potassium permanganate standard solution	0.05 mol/L	500ml	R.TIKM05.500
Potassium permanganate standard solution	0.1 mol/L	500ml	R.TIKM04.500
Potassium permanganate standard solution	0.2 mol/L	500ml	R.TIKM03.500
Potassium permanganate standard solution	0.25 mol/L	500ml	R.TIKM02.500
Potassium permanganate standard solution	0.5 mol/L	500ml	R.TIKM01.500
Potassium permanganate standard solution	0.01 mol/L	1000ml	R.TIKM08.901
Potassium permanganate standard solution	0.02 mol/L	1000ml	R.TIKM07.901
Potassium permanganate standard solution	0.05 mol/L	1000ml	R.TIKM05.901
Potassium permanganate standard solution	0.1 mol/L	1000ml	R.TIKM04.901
Potassium permanganate standard solution	0.2 mol/L	1000ml	R.TIKM03.901
Potassium permanganate standard solution	0.25 mol/L	1000ml	R.TIKM02.901
Potassium permanganate standard solution	0.5 mol/L	1000ml	R.TIKM01.901
Potassium thiocyanate standard solution	0.01 mol/L	500ml	R.TIKT05.500
Potassium thiocyanate standard solution	0.02 mol/L	500ml	R.TIKT04.500
Potassium thiocyanate standard solution	0.025 mol/L	500ml	R.TIKT03.500
Potassium thiocyanate standard solution	0.05 mol/L	500ml	R.TIKT02.500
Potassium thiocyanate standard solution	0.1 mol/L	500ml	R.TIKT01.500
Potassium thiocyanate standard solution	0.025 mol/L	1000ml	R.TIKT03.901
Potassium thiocyanate standard solution	0.1 mol/L	1000ml	R.TIKT01.901
Silver nitrate standard solution	0.014 mol/L	500ml	R.TISN10.500
Silver nitrate standard solution	0.01 mol/L	500ml	R.TISN11.500
Silver nitrate standard solution	0.025 mol/L	500ml	R.TISN08.500
Silver nitrate standard solution	0.0282 mol/L	500ml	R.TISN07.500
Silver nitrate standard solution	0.02 mol/L	500ml	R.TISN09.500
Silver nitrate standard solution	0.04 mol/L	500ml	R.TISN14.500
Silver nitrate standard solution	0.05 mol/L	500ml	R.TISN06.500
Silver nitrate standard solution	0.14 mol/L	500ml	R.TISN04.500
Silver nitrate standard solution	0.1 mol/L	500ml	R.TISN05.500
Silver nitrate standard solution	0.282 mol/L	500ml	R.TISN13.500
Silver nitrate standard solution	0.2 mol/L	500ml	R.TISN12.500
Silver nitrate standard solution	0.3447 mol/L	500ml	R.TISN03.500
Silver nitrate standard solution	0.5 mol/L	500ml	R.TISN02.500
Silver nitrate standard solution	1 mol/L	500ml	R.TISN01.500
Silver nitrate standard solution	0.014 mol/L	1000ml	R.TISN10.901
Silver nitrate standard solution	0.01 mol/L	1000ml	R.TISN11.901
Silver nitrate standard solution	0.0282 mol/L	1000ml	R.TISN07.901
Silver nitrate standard solution	0.02 mol/L	1000ml	R.TISN09.901
Silver nitrate standard solution	0.05 mol/L	1000ml	R.TISN06.901
Silver nitrate standard solution	0.1 mol/L	1000ml	R.TISN05.901
Silver nitrate standard solution	0.3447 mol/L	1000ml	R.TISN03.901
Sodium bicarbonate standard solution	0.05 mol/L	500ml	R.TISE04.500
Sodium bicarbonate standard solution	0.1 mol/L	500ml	R.TISE03.500
Sodium bicarbonate standard solution	0.2 mol/L	500ml	R.TISE05.500
Sodium bicarbonate standard solution	0.5 mol/L	500ml	R.TISE02.500
Sodium bicarbonate standard solution	1 mol/L	500ml	R.TISE01.500
Sodium bicarbonate standard solution	0.5 mol/L	1000ml	R.TISE02.901
Sodium bisulfite standard solution	0.25 mol/L	500ml	R.TISB01.500
Sodium bisulfite standard solution	0.2 mol/L	500ml	R.TISB02.500
Sodium bisulfite standard solution	0.1 mol/L	500ml	R.TISB03.500
Sodium carbonate standard solution	0.025 mol/L	500ml	R.TISD07.500
Sodium carbonate standard solution	0.05 mol/L	500ml	R.TISD06.500
Sodium carbonate standard solution	0.1 mol/L	500ml	R.TISD05.500
Sodium carbonate standard solution	0.25 mol/L	500ml	R.TISD08.500
Sodium carbonate standard solution	0.2 mol/L	500ml	R.TISD04.500
Sodium carbonate standard solution	0.3 mol/L	500ml	R.TISD09.500
Sodium carbonate standard solution	0.5 mol/L	500ml	R.TISD03.500
Sodium carbonate standard solution	1 mol/L	500ml	R.TISD02.500

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Description	Concentration	Vol.	Reference Code
Sodium carbonate standard solution	2 mol/L	500ml	R.TISD02.500
Sodium carbonate standard solution	0.025 mol/L	1000ml	R.TISD07.901
Sodium chloride standard solution	0.014 mol/L	500ml	R.TISC10.500
Sodium chloride standard solution	0.01 mol/L	500ml	R.TISC06.500
Sodium chloride standard solution	0.02 mol/L	500ml	R.TISC05.500
Sodium chloride standard solution	0.05 mol/L	500ml	R.TISC04.500
Sodium chloride standard solution	0.1 mol/L	500ml	R.TISC03.500
Sodium chloride standard solution	0.2 mol/L	500ml	R.TISC08.500
Sodium chloride standard solution	0.5 mol/L	500ml	R.TISC02.500
Sodium chloride standard solution	1 mol/L	500ml	R.TISC01.500
Sodium chloride standard solution	2 mol/L	500ml	R.TISC09.500
Sodium chloride standard solution	3 mol/L	500ml	R.TISC07.500
Sodium chloride standard solution	0.01 mol/L	1000ml	R.TISC06.901
Sodium chloride standard solution	0.1 mol/L	1000ml	R.TISC03.901
Sodium chloride standard solution	0.2 mol/L	1000ml	R.TISC08.901
Sodium chloride standard solution	2 mol/L	1000ml	R.TISC09.901
Sodium chloride standard solution	3 mol/L	1000ml	R.TISC07.901
Sodium hydroxide standard solution	0.01 mol/L	500ml	R.TINO11.500
Sodium hydroxide standard solution	0.025 mol/L	500ml	R.TINO12.500
Sodium hydroxide standard solution	0.02 mol/L	500ml	R.TINO10.500
Sodium hydroxide standard solution	0.05 mol/L	500ml	R.TINO09.500
Sodium hydroxide standard solution	0.15 mol/L	500ml	R.TINO07.500
Sodium hydroxide standard solution	0.1 mol/L	500ml	R.TINO08.500
Sodium hydroxide standard solution	0.25 mol/L	500ml	R.TINO05.500
Sodium hydroxide standard solution	0.2 mol/L	500ml	R.TINO06.500
Sodium hydroxide standard solution	0.3 mol/L	500ml	R.TINO04.500
Sodium hydroxide standard solution	0.4 mol/L	500ml	R.TINO03.500
Sodium hydroxide standard solution	0.5 mol/L	500ml	R.TINO02.500
Sodium hydroxide standard solution	1 mol/L	500ml	R.TINO01.500
Sodium hydroxide standard solution	0.01 mol/L	1000ml	R.TINO11.901
Sodium hydroxide standard solution	0.02 mol/L	1000ml	R.TINO10.901
Sodium hydroxide standard solution	0.05 mol/L	1000ml	R.TINO09.901
Sodium hydroxide standard solution	0.1 mol/L	1000ml	R.TINO08.901
Sodium hydroxide standard solution	0.25 mol/L	1000ml	R.TINO05.901
Sodium hydroxide standard solution	0.2 mol/L	1000ml	R.TINO06.901
Sodium hydroxide standard solution	0.5 mol/L	1000ml	R.TINO02.901
Sodium hydroxide standard solution	1 mol/L	1000ml	R.TINO01.901
Sodium nitrite standard solution	0.05 mol/L	500ml	R.TIOS05.500
Sodium nitrite standard solution	0.1 mol/L	500ml	R.TIOS03.500
Sodium nitrite standard solution	0.2 mol/L	500ml	R.TIOS02.500
Sodium nitrite standard solution	0.4 mol/L	500ml	R.TIOS01.500
Sodium nitrite standard solution	0.5 mol/L	500ml	R.TIOS04.500
Sodium oxalate standard solution	0.01 mol/L	500ml	R.TISO07.500
Sodium oxalate standard solution	0.02 mol/L	500ml	R.TISO06.500
Sodium oxalate standard solution	0.05 mol/L	500ml	R.TISO05.500
Sodium oxalate standard solution	0.1 mol/L	500ml	R.TISO04.500
Sodium oxalate standard solution	0.2 mol/L	500ml	R.TISO03.500
Sodium oxalate standard solution	0.4 mol/L	500ml	R.TISO02.500
Sodium oxalate standard solution	0.5 mol/L	500ml	R.TISO01.500
Sodium oxalate standard solution	0.01 mol/L	1000ml	R.TISO07.901
Sodium oxalate standard solution	0.1 mol/L	1000ml	R.TISO09.901
Sodium oxalate standard solution	0.2 mol/L	1000ml	R.TISO03.901
Sodium sulfate standard solution	0.2 mol/L	500ml	R.TISS01.500
Sodium thiocyanate standard solution	0.1 mol/L	500ml	R.TIST01.500
Sodium thiosulfate solution	0.002 mol/L	500ml	R.TISF01.500
Sodium thiosulfate solution	0.005 mol/L	500ml	R.TISF03.500
Sodium thiosulfate solution	50g/L	500ml	R.TISF02.500

# Standard Solutions

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Description	Concentration	Vol.	Reference Code
Boric acid standard solution	1000 mg/L	500ml	R.ISBA01.500
Cobalt solution (cobalt chloride)	3 g/L	100ml	R.ISCS01.100
Cobalt solution (cobalt chloride)	6.5 g/L	100ml	R.ISCS02.100
Cobalt solution (cobalt chloride)	15 g/L	100ml	R.ISCS03.100
Methylsulfonic acid solution	1000µg/mL	500ml	R.ISMS01.500
Methylsulfonic acid solution	1000µg/mL	100ml	R.ISMS01.100
Methylsulfonic acid solution	100µg/mL	100ml	R.ISMS02.100
Osmolality standard solution (sodium chloride solution)	100mOsmol/kg	100ml	R.ISOS01.100
Osmolality standard solution (sodium chloride solution)	290mOsmol/kg	100ml	R.ISOS07.100
Osmolality standard solution (sodium chloride solution)	50mOsmol/kg	100ml	R.ISOS11.100
Osmolality standard solution (sodium chloride solution)	600mOsmol/kg	100ml	R.ISOS08.100
Osmolality standard solution (sodium chloride solution)	700mOsmol/kg	100ml	R.ISOS09.100
Osmolality standard solution (sodium chloride solution)	850mOsmol/kg	100ml	R.ISOS10.100
Silica standard solution	1000µg/mL	100ml	R.ISSI01.100
Silica standard solution	100µg/mL	100ml	R.ISSI02.100
Silica standard solution	20µg/mL	100ml	R.ISSI04.100
Silica standard solution	250µg/mL	100ml	R.ISSI05.100
Silica standard solution	500µg/mL	500ml	R.ISSI03.500
Silica standard solution	20µg/mL	1000ml	R.ISSI04.901
Sodium chloride standard solution	750µg/mL	100ml	R.ISSC01.100
Sodium chloride standard solution	1000µg/mL	100ml	R.ISSC02.100
Sodium chloride standard solution	600µg/mL	100ml	R.ISSC03.100
Sodium chloride standard solution	300µg/mL	100ml	R.ISSC04.100
Sodium chloride standard solution	100µg/mL	100ml	R.ISSC05.100
Sodium chloride standard solution	50µg/mL	100ml	R.ISSC06.100
Sodium chloride standard solution	750µg/mL	500ml	R.ISSC01.500
Sodium chloride standard solution	1000µg/mL	500ml	R.ISSC02.500
Sodium chloride standard solution	320µg/mL	500ml	R.ISSC07.500
Sodium chloride standard solution	520µg/mL	500ml	R.ISSC08.500
Sodium chloride standard solution	230µg/mL	500ml	R.ISSC09.500
Sodium fluoride standard solution	100µg/mL	500ml	R.ISSF01.500
Thiourea solution	75g/mL	500ml	R.ISTH02.500
Thiourea solution	1g/mL	500ml	R.ISTH03.500
Thiourea solution	75g/mL	1000ml	R.ISTH02.901
Thiourea solution	1000g/mL	100ml	R.ISTH01.100



**MADE IN  
SINGAPORE**



### Address

2 Penjuru Place, #01-08,  
2-8 Penjuru Tech Hub (S) 608783