

# CORCO CHEMICAL CORPORATION



## PRODUCT SPECIFICATION

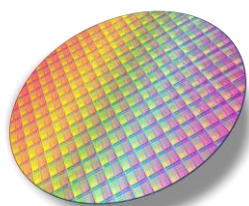
Manufacturers of ACS  
Reagent and Semiconductor  
Grade Chemicals

## Phosphoric Acid SEMICONDUCTOR GRADE

SPECIFICATION	MAXIMUM LIMITS
Assay (as H <sub>3</sub> PO <sub>4</sub> )	85-87% min
Color (APHA)	10
Insoluble Matter	50 ppm
Reducing Substances	To Pass Test
Volatile Acids	0.16 ueg/g
Chloride (Cl)	3 ppm
Sulfate (SO <sub>4</sub> )	20 ppm
Nitrate (NO <sub>3</sub> )	5 ppm
Heavy Metals (as Pb)	5 ppm

SPECIFICATION	MAXIMUM LIMITS
Antimony (Sb)	20 ppm
Arsenic (As)	0.5 ppm
Calcium (Ca)	20 ppm
Copper (Cu)	2 ppm
Iron (Fe)	10 ppm
Lithium (Li)	1 ppm

SPECIFICATION	MAXIMUM LIMITS
Magnesium (Mg)	5 ppm
Manganese (Mn)	0.5 ppm
Nickel (Ni)	3 ppm
Potassium (K)	10 ppm
Sodium (Na)	15 ppm
Strontium (Sr)	5 ppm



### Office and Plant

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Grade Chemicals

# Phosphoric Acid

## ACS REAGENT GRADE

SPECIFICATION	MAXIMUM LIMITS	SPECIFICATION	MAXIMUM LIMITS
Appearance	Colorless and free from Suspended mater or sediment	Calcium (Ca)	0.002%
Assay	85% - 87%	Magnesium (Mg)	0.002%
Color (APHA)	10	Potassium (K)	0.005%
Insoluble Matter	0.001%	Sodium (Na)	0.025%
Chloride (Cl)	3 ppm	Heavy Metals (as Pb)	0.001%
Nitrate (NO <sub>3</sub> )	5 ppm	Iron (Fe)	0.2 ppm
Sulfate (SO <sub>4</sub> )	0.003%	Arsenic (As)	1 ppm
Volatile Acids (as CH <sub>3</sub> COOH)	0.001%	Manganese (Mn)	0.5 ppm
Antimony (Sb)	0.002%	Reducing Substance	Passes Test

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