



## PAMPA ENTERPRISES

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### Chemical list

#### Acetic Acid

Acetic Acid,  $\text{CH}_3\text{COOH}$  an organic acid which is an important chemical reagent and industrial chemical, used in the production of polyethylene terephthalate that is mainly used in soft drink bottles; cellulose acetate, mainly for photographic film; and polyvinyl acetate for wood glue, as well as synthetic fibers and fabrics. In households, diluted acetic acid is often used in descaling agents. In the food industry acetic acid is used under the food additive code E260 as an acidity regulator. Halogenated Acetic Acids is manufactured from petrochemical feed stocks or from biological sources. Besides, dilute acetic acid produced by natural fermentation is called vinegar

#### Specifications of Acetic Acid

Solubility in water	Completely Miscible
Acetic Acid Content, percent by mass Min.	99.4
Crystallizing point °C (Min.)	16.0
Residue on evaporation, percent by mass (Max.)	0.01
Chlorides (as Cl.), PPM (Max.)	15
Iron (as Fe), PPM (Max.)	2
Sulphates (as $\text{SO}_4$ ), PPM (Max.)	15
Oxidizable impurities	To pass test

#### Bleaching Powder

Bleaching Powder in the market. Bleaching powder is also known as Sodium hypochlorite. Industrial Bleaching Chemicals are commonly used as disinfectant or bleaching agent. It is also used for the removal of stains from laundry. It is particularly effective on cotton fiber, which stains easily but bleaches well. A weak solution of 1% household bleach in warm water is used to sanitize smooth surfaces prior to brewing of beer or wine. Additionally

#### Calcium Chloride

Calcium Chloride with high quality parameters. Offered in proper packing, these calcium chloride chemicals possess a long-shelf life and are high at purity level. It is used in several common applications like:

1. Road Stabilizer & Cement & concrete additive
2. Oil well drilling & completion
3. Agricultural & Construction
4. Refrigeration, Freeze proofing & thawing coal
5. Dust suppressant & Tire weighing
6. Deinking & Food Processing
7. Industrial wastewater treatment

#### Ferric Alum

The Ferric Liquid Alum is the diluted Ferric Alum that has various industrial applications. Alumina Ferric Liquid is extensively used in water treatment, cosmetics and medicines. It is an excellent Flame Retardant. In addition, we are acknowledged as one of the renowned Industrial Ferric Alum Suppliers in India.

## Non Ferric Alum

The Non Ferric Aluminum Sulfate that we supply in the market is remarkable for its excellent chemical property. It is widely used in cosmetics and medicinal use

## Hydrochloric Acid

Lab Hydrochloric Acid is the solution of hydrogen chloride in water. Hydrochloric Chemical Acid is a highly corrosive, strong mineral acid and has major industrial uses. HCl Acid is used in the chemical industry as a chemical reagent in the large-scale production of vinyl chloride for PVC plastic, and MDI/TDI for polyurethane. It has numerous smaller-scale applications, including household cleaning, production of gelatin and other food additives, descaling, and leather processing.

### Specifications of Hydrochloric Acid (36%)

Total Acidity as HCl (Min.)	34% to 36%
Residue on ignition (Max.)	0.01%
Sulphates as H <sub>2</sub> SO <sub>4</sub> (Max.)	0.02%
Iron as Fe (Max.)	0.0001% (1 ppm)
Free Chlorine and Bromine as HCl (Max.)	0.001% (10 ppm)
Sulphites as SO <sub>2</sub> (Max.)	0.04%
Heavy metals as Pb (Max.)	0.0005% (5 ppm)
Arsenic as As (Max.)	0.0002% (2 ppm)

### Specifications of Hydrochloric Acid (Commercial Grade)

Total Acidity as HCl (Min.)	30%.-32%
Residue on ignition (Max.)	0.1%
Sulphates as H <sub>2</sub> SO <sub>4</sub> (Max.)	0.1%
Iron as Fe (Max.)	0.005% (50 ppm)
Free Chlorine and Bromine as HCl (Max.)	0.001% (10 ppm)
Sulphites as SO <sub>2</sub> (Max.)	0.05%
Mercury as Hg (Max.)	0.0003% (3 ppm)

## Poly Aluminium Chloride

Liquid Poly Aluminium chloride coagulant that generally offers superior clarification is either portable or waste water. The Aluminium in PAC - 10 is highly charged, enabling less of it to do more. Advantages available to many end users are reduced sludge, Minimized pH adjustment, Longer filter runs, superior finished water quality

Appearance	Yellowish Liquid
Aluminium (Al)	5.3 + 0.2%
Al <sub>2</sub> O <sub>3</sub>	10.0 + 0.3%
Specific Gravity	(25 D C) 1.26 Avg
pH	2.8 + 0.5
Basicity	38 to 45%
Viscosity	(25 DC) 10 + 5 cP
Freezing Point	-15 D c/-5 D F

## Sodium Hypochlorite

Sodium hypochlorite is used for removal of stains from laundry in household form. Sodium hypochlorite has been used for the disinfection of drinking water. Sodium hypochlorite is now used in endodontics during root canal treatments. It is the medicament of choice due to its efficacy against pathogenic organisms and pulp digestion

Relative Density (at 25°C / 25°C)	1.2
Available Chlorine as Cl	12 to 13
Total Chlorine as Cl	12 to 13
Free alkali as NaOH	5.0 g/L
Free Sodium Carbonate as Na <sub>2</sub> CO <sub>3</sub>	0.5 g/L
Iron as Fe (Max.)	1.0 ppm
Sodium Chlorate	Traces

## Sulfuric Acid

Sulphuric Acids is denoted by H<sub>2</sub>SO<sub>4</sub>, which is a strong mineral acid. Industrial Sulphuric Acids have many applications and their principal uses include lead-acid batteries for cars and other vehicles, ore processing, fertilizer manufacturing, oil refining, wastewater processing, and chemical synthesis.

Total Acidity as H <sub>2</sub> SO <sub>4</sub> (Min.)	98.0%
Residue on Ignition (Max.)	0.2%
Iron as Fe (Max.)	0.05% (500 ppm)

## Liquor Ammonia

Ammonia is dissolved in pure water - more than 1300 volumes per unit volume of water, some times using moderate pressure. This ammonia solution is termed as liquor ammonia in chemistry and many applications.

Content of Ammonia (NH <sub>3</sub> )	25%~30% w/w min
sp. gravity at 20 °C:	0.910~0.890 sp. Gr
Nonvolatile matter:	0.001%w/v max
Chlorides as Cl:	0.0001 w/v max
Content of oil:	Nil
Sulphate as SO <sub>4</sub> :	Nil
Iron as Fe:	Nil

## Light Magnesium Carbonate

A Very Light, White Powder, 15 gms occupies a volume of about 125ml gives reaction of carbonates. Dissolve about 15mg in 2 ml of 2M HNO<sub>3</sub> and neutralize with 2M NaOH. The resulting solution give reaction A of Mg Salts Solubility Insoluble in water soluble in dilute Acids

Iron Max	200 ppm
Loss on Ignition	54-58%
Water at 105 C (Hot air oven method) Max	3.0%
Chlorides Max	700 ppm
Soluble Substance Max	1.0%
Substances in soluble in Acetic Acid	0.1 – 0.15%
Assay	40 – 45.0%
Arsenic Max	2 ppm
Calcium oxide Max	0.5 %
Self Life	05 Years from the Date of Manufacture