

Table3: Example of sample to measure

Measuring chemicals	Sodium chloride solution	Hydrochloric acid	Nitric acid	Sodium hydroxide solution	Sulfuric acid
Concentration range to be measured wt% (Conductivity range 0-2mS/cm, 0-20mS/cm, 0-200mS/cm, 0-2000mS/cm at 25)	0-5% 0-10% 0-20% 0-25%	0-5% 0-10% 0-15% 25-35% 25-40% 30-40%	0-5% 0-10% 0-20% 0-25% 40-80% 60-70% 60-80%	0-5% 0-10% 0-15% 20-40%	0-5% 0-10% 0-20% 0-30% 40-80% 60-80% 93-99.5% 94-99.5 %
Temperature range	0-100	0-100	0-100	0-100	0-100
Plant	Soda plant	Soda plant	Nitric acid plant	Soda plant	Sulfuric acid plant
The main uses of chemicals	It is used as the charge of other curing salting material which is glaze of the manufacturing raw material of chlorine, chloride, sodium, and sodium hydroxide, edible, a seasoning, the medicine for food storage, and pottery, etc., or a freezing mixture.	It uses as strong acid in a laboratory. It uses for manufacture of a chloride, medicine, and pigment, and the catalyst of saccharification of starch.	It uses for the use which dissolves metal. An organic substance is oxidized or nitrated. It is appointed to a position of a trust as an oxidizer, and also uses for manufacture of various kinds of nitrates, nitrate ester, a nitro compound, and various kinds of explosives.	Fat is saponified by sodium hydroxide. It is used as materials of the whole chemical industry. It is an important reagent in a laboratory.	The use of sulfuric acid on industry is large, and it is used over all fields, such as industry, such as the chemical industry, such as manure, a fiber, and medicine, steel, metal, and food.