

ASPEN Stainless Steel Resistance Chart



KEY	COLOUR
Recommended	Green
Suitable, however contact us for advice	Yellow
Not recommended	Red

REAGENT SUBSTRATE	SS GRADE	
	304	316
ACETIC ACID	Green	Green
ACETONE	Green	Green
ALCOHOL	Green	Green
ALUMINIUM CHLORIDE	Green	Green
ALUMINIUM SULPHATE	Red	Yellow
AMMONIA GAS (DRY)	Green	Green
AMMONIUM CHLORIDE	Green	Green
AMMONIUM HYDROXIDE	Red	Yellow
AMMONIUM NITRATE	Green	Green
AMMONIUM PHOSPHATE	Red	Yellow
AMMONIUM SULPHATE	Green	Green
AMMONIUM SULPHIDE	Red	Green
AMYL CHLORIDE	Green	Green
ANILINE	Green	Green
BARIUM CHLORIDE	Green	Green
BARIUM SULPHATE	Green	Green
BEER	Green	Green
BEET SUGAR LIQUORS	Green	Green
BENZENE	Green	Green
BENZOIC ACID	Green	Green
BORIC ACID	Green	Green
BROMIC ACID	Yellow	Yellow
BROMINE WATER	Red	Red
BUTANE	Green	Green
CALCIUM CARBONATE	Green	Green
CALCIUM CHLORIDE	Red	Yellow
CALCIUM HYDROXIDE	Green	Green
CALCIUM HYPOCHLORITE	Red	Yellow

REAGENT SUBSTRATE	SS GRADE	
	304	316
CALCIUM SULPHATE	Green	Green
CARBON BISULPHIDE	Green	Green
CARBON TETRACHLORIDE	Yellow	Yellow
CAUSTIC POTASH	Green	Green
CAUSTIC SODA	Green	Green
CHLORIDE (DRY)	Yellow	Yellow
CHLORIDE (WET)	Red	Red
CHLOROACETIC ACID	Red	Red
CHLOROBENZENE	Green	Green
CHLOROFORM	Yellow	Yellow
CHROME ACID 50%	Yellow	Yellow
CHROME ACID 10%	Green	Green
CITRIC ACID	Yellow	Yellow
CITRIC ACID CAN BE USED IN A SIMILAR WAY TO NITRIC ACID FOR PASSIVATION AND CLEANING OF STAINLESS STEEL.		
COPPER CHLORIDE	Red	Red
COPPER CYANIDE	Green	Green
COPPER NITRATE	Green	Green
COPPER SULPHATE	Green	Green
DISTILLED WATER	Green	Green
ETHYL ACETATE	Green	Green
ETHYLENE CHLORIDE	Green	Green
ETHYLENE GLYCOL	Green	Green
FATTY ACIDS	Green	Green
FERRIC SULPHATE	Green	Green
FLUORENE GAS	Red	Red
FORMALDEHYDE	Green	Green
FORMIC ACID	Red	Green

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REAGENT SUBSTRATE	SS GRADE	
FRUIT JUICES AND PULP	Yellow	Green
GASOLINE	Green	Green
GLYCERINE	Green	Green
HYDROBOMIC ACID 20%	Red	Red
HYDROCHLORIC ACID 40%	Red	Red
HYDROCYANIC ACID	Green	Green
HYDROGEN PEROXIDE	Green	Green
IODINE	Red	Yellow
KEROSENE	Green	Green
LACTIC ACID	Green	Green
LINSEED OIL	Green	Green
MAGNESIUM CHLORIDE	Yellow	Yellow
MAGNESIUM SULPHATE	Yellow	Green
MALEIC ACID	Green	Green
METHYL CHLORIDE	Green	Green
MILK	Green	Green
MURIATIC ACID	Red	Red
NICKEL CHLORIDE	Yellow	Yellow
NICKEL SULPHATE	Green	Green
OIL AND FATS	Green	Green
OLEIC ACID	Green	Green
OXALIC ACID	Yellow	Yellow
PERCHLORIC ACID	Red	Red
PETROLEUM OILS	Green	Green
PHENOL 5%	Green	Green
PHOSPHORUS TRICHLORIDE	Green	Green
PHOTOGRAPHIC SOLUTIONS	Yellow	Green
PITRIC ACID	Green	Green
POTASSIUM CARBONATE	Green	Green
POTASSIUM CHLORIDE	Green	Green
POTASSIUM CYANIDE	Green	Green
POTASSIUM DICHROMATE	Green	Green
POTASSIUM HYDROXIDE	Green	Green

REAGENT SUBSTRATE	SS GRADE	
POTASSIUM PERMANGANATE	Green	Green
POTASSIUM SULPHATE	Green	Green
SEA WATER	Red	Yellow
SEWERAGE	Yellow	Yellow
SILVER NITRATE	Green	Green
SILVER SULPHATE	Green	Green
SODIUM BICARBONATE	Green	Green
SODIUM BISULPHITE	Green	Green
SODIUM CARBONATE	Green	Green
SODIUM HYDROXIDE	Green	Green
SODIUM HYPOCHLORITE	Yellow	Green
SODIUM SULPHATE	Green	Green
SODIUM SULPHIDE	Yellow	Green
SODIUM SULPHITE	Yellow	Green
SODIUM THIOSULPHATE	Green	Green
STANNOUS CHLORIDE	Red	Yellow
STEARIC ACID	Green	Green
SULPHUROUS ACID	Red	Yellow
SULPHUR	Yellow	Green
SULPHUR DIOXIDE (DRY/WET)	Yellow	Green
SULPHURIC ACID	Red	Red
TANNIC ACID	Green	Green
TANNING LIQUORS	Green	Green
TRICHLOROETHYLENE	Green	Green
TURPENTINE	Green	Green
UREA	Green	Green
URINE	Green	Green
VINEGAR	Green	Green
WATER (FRESH/MINE/SALT)	Green	Green
WHISKY	Green	Green
WINES	Green	Green
ZINC CHLORIDE	Red	Red
ZINC SULPHATE	Yellow	Green