

Reagent	21°C / 70°F	60°C / 140°F
etic acid (10-60%)	+	0
cetic acid (1-10%)	+	+
cetic acid (80-100%)	+	0
Acetic anhydride	+	+
Acetone	+	+
Aluminum chloride	+	+
Aluminum fluoride concentrated	+	+
Ammonia	+	+
Ammonium carbonate	+	+
Ammonium chloride saturated	+	+
Ammonium fluoride (20%)	+	+
Ammonium hydroxide	+	+
Ammonium nitrate	+	+
Ammonium sulfate	+	+
Ammonium sulfide	+	+
Ammonium thiocyanate saturated	+	+
Amyl acetate (100%)	0	-
Amyl alcohol (100%)	+	0
Amyl Chloride (100%)	-	-
Aniline (100%)	+	-
Antimony chloride	+	+
Aqua Regia	0	0
Arsenic	+	+
В		
Barium carbonate	+	+
Barium hydroxide	+	+
Barium sulfate saturated	+	+
Barium sulfite saturated	+	+

Legend: + = satisfactory results

^{0 =} some reaction

^{- =} unsatisfactory results



Reagent	21°C / 70°F	60°C / 140°F
Chlorine	-	-
Chlorobenzene	-	-
Chloroform	-	-
Chlorosulfonic acid	-	-
Chromic acid (10-20%)	+	0
Chromic acid (50%)	+	0
Cider	+	+
Citric acid	+	+
Cooper cyanide	+	+
Copper chloride	+	+
Copper fluoride	+	+
Copper nitrate	+	+
Copper sulfate	+	+
Copper sulfate	+	+
Corn oil	+	+
Cottonseed oil	+	+
Cresols	+	0
Cuprous chloride	+	+
Cyclohexane	-	-
Cyclohexanone	-	-
D		
Decalin	-	-
Dextrin	+	+
E		
Ethyl acetate (100%)	0	0
Ethyl alcohol	+	+
Ethyl alcohol	+	+
Ethylene glycol	+	+

Reagent	21°C / 70°F	60°C / 140°F
F		
Ferric chloride	+	+
Ferric nitrate	+	+
Ferrous chloride	+	+
Ferrous sulfate	+	+
Fluorine	+	-
Fluosilicic acid	+	+
Formaldehyde	+	+
Formic acid (100%)	+	+
Formic acid (20%)	+	+
Fructose saturated	+	+
Fuel oil	0	-
Furfural	-	-
G		
Gasoline	0	-
Glucose	+	+
Glycol	+	+
Н		
Heptane	-	-
Hexachlorobenzene	+	+
Hexane	-	-
Hydrobromic acid (50%)	+	+
Hydrochloric acid	+	+
Hydrogen chloride dry gas	+	+
Hydrogen peroxide (30%)	+	0
Hydrogen sulfide	+	+
Hydroquinone	+	+
I		
Isopropyl alcohol	+	+

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Reagent	21°C / 70°F	60°C / 140°F	Reagent
K			Nickel nitrat
Kerosene	0	-	Nickel sulfat
L			Nitric acid (0
Lactic acid	+	+	Nitric acid, c
Lanolin	+	+	Nitrobenzen
Lead acetate	+	+	0
Lemon oil	0	0	Oleum
Linseed oil	+	+	Olive oil
M			Orange juice
Magnesium carbonate	+	+	Oxalic acid
Magnesium chloride	+	+	Ozone
Magnesium hydroxide	+	+	P
Magnesium nitrate	+	+	Peppermint
Magnesium sulfate	+	+	Perchloroet
Mercuric chloride	+	+	Phenol (10%
Mercuric cyanide	+	+	Phosphoric a
Mercurous nitrate	+	+	Potassium b
Mercury	+	+	Potassium b
Methyl ethyl ketone (100%)	-	-	Potassium c
Methylene chloride (100%)	-	-	Potassium c
Methylsulfuric acid	+	+	Potassium c
Milk	+	+	Potassium d
Mineral oil	+	-	Potassium fe
Molasses	+		Potassium n
Mustard	+		Potassium p
N			Potassium p
Naphtha	0	-	Potassium s
Naphthalene	+	-	Potassium s
Nickel chloride	+	+	Pyridine

Reagent	21°C / 70°F	60°C / 140°F
Nickel nitrate	+	+
Nickel sulfate	+	+
Nitric acid (0-10%)	+	+
Nitric acid, concentrated	-	-
Nitrobenzene (100%)	-	-
0		
Oleum	-	
Olive oil	+	+
Orange juice	+	+
Oxalic acid	+	+
Ozone	-	-
Р		
Peppermint oil	0	-
Perchloroethylene	-	-
Phenol (10%)	+	+
Phosphoric acid	+	+
Potassium bicarbonate saturated	+	+
Potassium bromide	+	+
Potassium carbonate	+	+
Potassium chlorate	+	+
Potassium cyanide	+	+
Potassium dichromate	+	+
Potassium ferrocyanide	+	+
Potassium nitrate	+	+
Potassium perborate saturated	+	+
Potassium permanganate	+	0
Potassium sulfate	+	+
Potassium sulfide concentrated	+	+
Pyridine	+	0

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eagent	21°C / 70°F	60°C / 140°F
5		
Silver nitrate	+	+
Sodium benzoate (35%)	+	+
Sodium bicarbonate saturated	+	+
Sodium bisulfate saturated	+	+
Sodium bisulfite saturated	+	+
Sodium carbonate concentrated	+	+
Sodium chlorate saturated	+	+
Sodium chloride saturated	+	+
Sodium cyanide	+	+
Sodium hydroxide concentrated	+	+
Sodium hypochlorite	+	0
Sodium nitrate	+	+
Sodium perborate	+	+
Sodium phosphate	+	+
Sodium sulfite	+	+
Sodium thiosulphate	+	+
Soybean oil	+	+
Stannic chloride	+	+
Stannous chloride	+	+
Starch solution	+	+
Styrene	-	-
Sulfuric acid (0-50%)	+	+
Sulfuric acid (98% concentrated)	0	-
Sulfuric acid (fuming)	-	-
Sulfuric-nitric	+	-



The data in this chart refers to general chemical resistance based on the raw material used for production of Norm-Ject® syringes. Full compatibility testing is required since other factors such as temperature, humidity and others also influence the chemical resistance. Staining of syringe barrel or syringe plunger is not considered in this chart.

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