

CON-SERV MFG Reagent Grade Waters

Often specific Water Quality is required for certain applications. The below chart is one quality standard that is often requested. The National Committee for Clinical Laboratory standards has defined the below Reagent Water Specifications for Type I, II, and III water.

National Committee for Clinical Laboratory Standards (NCCLS) (1991)

Characteristics	Reagent Water Specifications		
	Type I	Type II	Type III
Bacterial Content (colony forming units per mL maximum)	(1) 10	10 ³	N/A
pH	NS	NS	5.0-8.0
Resistivity (megohms/cm) @ 25°C	0	1.0	0.1
Silicate (mg/L SiO ₂ -Maximum)	0.05	0.1	1.0
Particulate Matter ⁽²⁾	(2) 0.22 µm Filter	NS	NS
Organics	(2) Activated Carbon	NS	NS

(1) Preferably Type I water should be bacteria-free.

(2) These specifications are process specifications and are not measured by the end user.

NS is not specified.