

Maximum Contaminant Levels in Highly Purified Water

Contaminant	Parameter	ISO 3696 (1987)			ASTM (D1193-91)				NCCLS (1988)			Pharmacopoeia	
		Grade 1	Grade 2	Grade 3	Type I*	Type II**	Type III** *	Type IV	Type I	Type II	Type III	EP (20 °C)	USP
Ions	Resistivity at 25 °C/MΩ·cm	10	1	0.2	18	1	0.25	0.2	>10	>1	>0.1	>0.23	>0.77
	Conductivity at 25 °C/μS·cm ⁻¹	0.1	1	5	0.056	1	4	5	<0.1	<1	<10	<4.3	<1.3
Acidity/Alkalinity	pH at 25 °C	-	-	5.0–7.5	-	-	-	5.0–8.0	-	-	5.0–8.0	-	-
Organics	Total Organic Content/p.p.b.(μg/l)	-	-	-	50	50	200	-	<50	<200	<1000	<500	<500
Total Solids	mg/kg	-	1	2	-	-	-	-	0.1	1	5	-	-
Colloids	Silicia/μg/mL	-	-	-	<3	<3	<500	-	<0.05	<0.1	<1	-	-
Bacteria	CFU/mL	-	-	-	-	-	-	-	<10	<1000	-	<100	<100