



Ultrachlor® Sodium Hypochlorite Specifications
12.5% Trade Percent Available Chlorine

As of 08/01/2017

Item	Guarantees	Typical Values
Chemical Formula:	NaOCl in Water	NaOCl in Water
Delivered Grams per Liter:	> 120 GPL	122 - 125 GPL
Delivered Trade Percent/Percent by Volume:	12.0	12.2 - 12.5
Specific Gravity Range:	1.159 - 1.169	1.163 - 1.165
% by Weight Excess Sodium Hydroxide:	0.2 - 0.4	0.25 - 0.35
pH:	12.5 -13.0	12.6 - 12.9
Weight % Available Chlorine:	> 10.4	10.55 - 10.8
Weight % Sodium Hypochlorite:	> 10.8	11.0 - 11.3
lb/gallon Available Chlorine:	> 1 lb/gallon	1.03 - 1.04 lb/gallon
Gallons required to Obtain 1lb of Chlorine:	0.96 - 1 gallon	0.96 - 0.97 gallon
Iron (Fe):	< 0.30 mg/L	0.1 -0.2 mg/L
Copper (Cu):	< 0.03 mg/L	Not detectable
Nickel (Ni):	< 0.03 mg/L	Not detectable
Manganese (Mn):	< 0.03 mg/L	Not detectable
Selenium (Se):	< 0.02 mg/L	Not detectable
Bromate:	< 20 mg/L	0 - 5 mg/L
Perchlorate (At time of manufacture):	< 10 mg/L	Not detectable
Chlorate (At time of manufacture):	< 2,000 mg/L	500 - 1,000 mg/L
Viscosity (Varies with temperature):	1.75 – 2.50 centipois	1.75 – 2.50 centipois
Specific Heat:	0.90 - 0.94 Cal./gm/deg C	0.91 - 0.93 Cal./gm/deg C
Thermal Conductivity:	0.2 - 0.4 W/m/deg C	0.3 - 0.35 W/m/deg C
Suspended Solids Test (e.g. Filter Test)	< 3 minutes	0.9 - 1.25 minutes
Appearance:	Greenish-yellow liquid	Greenish-yellow liquid
Note: Product is certified to meet ANSI/NSF Standard 60 and is in compliance with ANSI/AWWA Standard B300-10.		