



2946 NE Columbia Blvd.
Portland, OR 97211

IPA Semi Grade

Product Data Sheet

PROPERTY	UNITS	Typical
IPA	(%)	≥99.5
Water	(% wt)	≤0.05
RAE	(ppm)	≤4
Color	(APHA)	≤10
Acidity	(μeq/g)	≤0.2
Alkalinity	(μeq/g)	<0.1
Chloride	(ppb)	≤100
Phosphate	(ppb)	≤300
Solubility in water	(Pass)	To Pass
Particles	≥0.5 μm	≤25/ml
Particles	≥1.0 μm	≤8/ml

Trace Metals	ppb Max	Trace Metals	ppb Max
Aluminum (Al)	50	Manganese (Mn)	15
Antimony (Sb)	10	Molybdenum (Mo)	100
Arsenic (As)	10	Nickel (Ni)	10
Barium (Ba)	20	Niobium (Nb)	100
Beryllium (Be)	100	Potassium (K)	100
Bismuth (Bi)	100	Silicon (Si)	50
Boron (B)	10	Silver (Ag)	20
Cadmium (Cd)	20	Sodium (Na)	100
Calcium (Ca)	50	Strontium (Sr)	20
Chromium (Cr)	20	Tantalum (Ta)	100
Cobalt (Co)	20	Thallium (Tl)	100
Copper (Cu)	10	Tin (Sn)	100
Gallium (Ga)	50	Titanium (Ti)	20
Germanium (Ge)	50	Vanadium (V)	100
Gold (Au)	20	Zinc (Zn)	50
Iron (Fe)	50	Zirconium (Zr)	100
Lead (Pb)	20		
Lithium (Li)	50		
Magnesium (Mg)	20		

*Suggested Shelf Life 24 months from manufacture date
when stored under proper conditions in unopened container.

Note: The information and recommendations of Tarr, LLC concerning this product are based on laboratory test and experience. To the best of our knowledge and belief these are true and accurate, however Tarr, LLC assumes no obligation to liability for the information in this document. Since conditions are beyond our control, any recommendations or suggestions regarding merchantability and fitness for a particular purpose are made without warranty, expressed or implied.

These release and typical properties are valid as of the date issued but, are subject to change.