

## EXAMPLE CERTIFICATE OF ANALYSIS

Product :	<b>N METHYL PYRROLIDONE</b>
Grade :	<b>ULSI</b>
Lot number :	"Example"
Manufacturing date :	"Example"
Expiration date :	"Example"

Analysis	Specifications	Results
Assay	>99.8%	99.90 %
Density (20°C)	1.01	1.01
Color	25 APHA	<20
Water	200 ppm	<200 ppm
Free amine	50 ppm	<50 ppm
Chlorides	0.5 ppm	<0.5 ppm
Phosphates	0.5 ppm	<0.5 ppm
Nitrates	0.5 ppm	<0.5 ppm
Cations		
Aluminium (Al)	10 ppb	<5 ppb
Antimony (Sb)	10 ppb	<5 ppb
Arsenic (As)	10 ppb	<5 ppb
Barium (Ba)	10 ppb	<5 ppb
Beryllium (Be)	10 ppb	<5 ppb
Bismuth (Bi)	10 ppb	<5 ppb
Boron (B)	10 ppb	<5 ppb
Cadmium (Cd)	10 ppb	<5 ppb
Calcium (Ca)	10 ppb	<5 ppb
Chromium (Cr)	10 ppb	<5 ppb
Cobalt (Co)	10 ppb	<5 ppb
Copper (Cu)	10 ppb	<5 ppb
Gallium (Ga)	10 ppb	<5 ppb
Germanium (Ge)	10 ppb	<5 ppb
Gold (Au)	10 ppb	<5 ppb
Iron (Fe)	5 ppb	<5 ppb
Lead (Pb)	10 ppb	<5 ppb
Lithium (Li)	10 ppb	<5 ppb
Magnesium (Mg)	10 ppb	<5 ppb
Manganese (Mn)	10 ppb	<5 ppb
Molybdenum (Mo)	10 ppb	<5 ppb
Nickel (Ni)	10 ppb	<5 ppb
Niobium (No)	10 ppb	<5 ppb
Silver (Ag)	5 ppb	<5 ppb
Sodium (Na)	10 ppb	<10 ppb
Potassium (K)	10 ppb	<5 ppb
Strontium (Sr)	10 ppb	<5 ppb
Tantalum (Ta)	10 ppb	<5 ppb
Thallium (Tl)	10 ppb	<5 ppb
Tin (Sn)	10 ppb	<5 ppb
Titanium (Ti)	10 ppb	<5 ppb
Vanadium (V)	10 ppb	<5 ppb
Zinc (Zn)	10 ppb	<5 ppb
Zirconium (Zr)	10 ppb	<5 ppb
Particles		
	Particles ≥ 0.5 µm	<100 particles /ml

The lab manager

Le 24 juin 2015

