RIKI GLOBAL

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ROMIL
PURE CHEMISTRY

RIKI GLOBAL

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ROMIL-SpA™ Super Purity Acids and Reagents Specifications

Acetic Acid glacial (see Acetic Acid)

Ammonium Hydroxide solution (see Ammonia solution)

Acetic Acid SpA

H015

500ml H015P
Dgr H:226-314
P:280c-301+330+331-305+351+338-307+310

(Acetic Acid glacial)
CH3COOH MW60.05 FP 16.7°C BP 117.9°C d 1.05 CAS [64-19-7]
Assay >99%
Colour <10 Hazen (APHA)
Be, Bi, Ce, Co, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, In, La, Li, Lu, Nd, Pb, Pr, Rb, Re, Sc, Sm, Tb, Th, Tl, Tm, U, Y, Yb, Zr <0.1 ppb each
As, Ba, Cd, Cu, Ge, Mg, Mn, Mo, Ni, Pt, Rh, Ru, Sb, Sn, Sr, Te, Ti, V, W <0.5 ppb each
Ag, Al, Ca, Cr, Fe, Hg, K, Na, Se, Zn <1 ppb each
SO4 <0.5 ppm
PO4 <1 ppm
Cl <1 ppm
Substances reducing dichromate passes test
Substances reducing permanganate passes test
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis (for organic trace analysis see ROMIL Code H014 Acetic Acid SpS), Ion Chromatography, Voltammetry

Elementalimpuritiesspeci edattime ofmanufacture.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cu <0.2 K <0.5 Pt <0.1 Te <0.1 Al <0.5 Dy <0.1 La <0.1 Rb <0.1 Th <0.1 As <0.1 Er <0.1 Li <0.1 Re <0.1 Ti <0.1 Ba <0.1 Eu <0.1 Lu <0.1 Rh <0.1 Tl <0.1 Be <0.1 Fe <0.5 Mg <0.2 Ru <0.1 Tm <0.1 Bi <0.1 Ga <0.1 Mn <0.1 Sb <0.1 U <0.1 Ca <1 Gd <0.1 Mo <0.1 Sc <0.1 V <0.1 Cd <0.1 Ge <0.1 Na <1 Se <0.5 W <0.1 Ce <0.1 Hf <0.1 Nd <0.1 Sm <0.1 Y <0.1 Co <0.1 Hg <0.1 Ni <0.1 Sn <0.1 Yb <0.1 Cr <0.1 Ho <0.1 Pb <0.1 Sr <0.1 Zn <0.5 Cs <0.1 In <0.1 Pr <0.1 Tb <0.1 Zr <0.1

Ammonia solution SpA

H058

500ml H058P
Dgr H:314-335
P:280c-301+330+331-304+340-305+351+338-309+310

(Ammonium Hydroxide solution)
NH3 MW 17.03 d 0.92CAS[1336-21-6]
Assay 20-22%
Colour <10 Hazen (APHA)
Ba, Be, Bi, Ce, Cs, Dy, Er, Eu, Ga, Gd, Ge, Ho, In, La, Li, Lu, Nb, Nd, Pb, Pr, Rb, Sc, Sm, Sr, Tb, Te, Th, Tl, Tm, U, W, Y, Yb, Zr <0.1 ppb each
Hg <0.2 ppb
Ag, Au, Cd, Co, Cr, Cu, Mn, Mo, Ni, Rh, Sb, Sn, Ti, V, Zn <0.5 ppb each
Al, As, Ca, Fe, K, Mg,Na,Se <1 ppb each
PO4 <0.01 ppm
Cl <0.5 ppm
SO4 <1 ppm
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry

Elementalimpuritiesspeci edattime ofmanufacture.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cu <0.5 La <0.1 Pt <1 Th <0.1 Al <0.5 Dy <0.1 Li <0.1 Rb <0.1 Ti <0.1 As <0.1 Er <0.1 Lu <0.1 Re <1 Tl <0.1 Au <0.1 Eu <0.1 Mg <0.2 Rh <0.1 Tm <0.1 Ba <0.1 Fe <0.5 Mn <0.2 Ru <1 U <0.1 Be <0.1 Ga <0.1 Mo <0.1 Sb <0.1 V <0.1 Bi <0.1 Gd <0.1 Na <0.5 Sc <0.1 W <0.1 Ca <0.5 Ge <0.1 Nb <0.1 Se <0.1 Y <0.1 Cd <0.1 Hf <1 Nd <0.1 Sm <0.1 Yb <0.1 Ce <0.1 Hg <0.2 Ni <0.2 Sn <0.1 Zn <0.5 Co <0.1 Ho <0.1 Pb <0.1 Sr <0.1 Zr <0.1 Cr <0.1 In <0.1 Pd <1 Tb <0.1
Cs <0.1 K <0.2 Pr <0.1 Te <0.1

Dimethylformamide SpA

low metals

H255

1LT H255M
2½LT H255L
Dgr H:360D-226-312+332-319
P:201-210-302+352-305+351+338-308+313

HCON(CH3)2 MW 73.09 BP 153.0°C d 0.95 CAS [68-12-2] Assay >99.9% Water <0.05% Residue <0.0001%
Group 1 & 2 elements typically <0.1-<10 ppb
Group 3 to 12 (transition) elements typically <0.1-<5 ppb
Group 13, 14, 15 elements typically <0.1-<5 ppb
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis (for organic analysis and chromatography see ROMIL Code H253 Dimethylformamide SpS)

ROMIL-SpA™ Super Purity Acids and Reagents Specifications

Hydrochloric Acid SpA

H396

500ml H396P
1LT H396M
2½LT H396L
Dgr H:290-314-335
P:280c-301+330+331-305+351+338-309+310

HClMW 36.46 d 1.18CAS[7647-01-0]□ Assay 34-37%
Colour <10 Hazen (APHA)
Ba, Be, Bi, Cd, Ce, Co, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Pb, Pr, Rb, Re, Rh, Ru, Sc, Sm, Sr, Tb, Te, Th, Tl, Tm, U, W, Y, Yb, Zr <0.1 ppb
each
As, Au, Cr, Cu, Hg, Mg, Ni, Sb, Sn, Ti, V <0.5 ppb each
Ag, Al, B, Ca, Fe, K, Na, Se, Zn <1 ppb each
Total P <0.01 ppm
Total S <0.3 ppm
Free Cl2 <0.5 ppm
Br <10 ppm
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry

Elementalimpuritiesspeci edattime ofmanufacture.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cs <0.1 La <0.1 Pt <0.5 Te <0.1 Al <0.5 Cu <0.1 Li <0.1 Rb <0.1 Th <0.1 As <0.1 Dy <0.1 Lu <0.1 Re <0.1 Ti <0.1 Au <0.1 Er <0.1 Mg <0.5 Rh <0.1 Tl <0.1 B <0.5 Eu <0.1 Mn <0.1 Ru <0.1 Tm <0.1 Ba <0.1 Fe <0.5 Mo <0.1 Sb <0.1 U <0.1 Be <0.1 Ga <0.1 Na <0.5 Sc <0.1 V <0.1 Bi <0.1 Gd <0.1 Nb <0.1 Se <0.1 W <0.1 Ca <0.5 Hf <0.1 Nd <0.1 Sm <0.1 Y <0.1 Cd <0.1 Hg <0.2 Ni <0.1 Sn <0.1 Yb <0.1 Ce <0.1 Ho <0.1 Pb <0.1 Sr <0.1 Zn <0.5 Co <0.1 In <0.1 Pd <0.5 Ta <0.5 Zr <0.1 Cr <0.1 K <0.1 Pr <0.1 Tb <0.1

Hydro uoric Acid SpA

H405

500ml H405P
Dgr H:300+310+330-314
P:280-301+330+331-302+352-304+340-305+351+338-310+ROP010

HFMW 20.01 d 1.16 CAS[7664-39-3]□ Assay 47-51%
Colour <10 Hazen (APHA)
Ba, Be, Bi, Cd, Ce, Co, Cs, Dy, Er, Eu, Ga, Gd, Ge, Hf, Ho, In, La, Li, Lu, Mn, Mo, Nb, Nd, Pb, Pr, Rb, Re, Rh, Ru, Sc, Sm, Sr, Tb, Te, Th, Tl, Tm, U, V, Y, Yb, Zr <0.1 ppb each
Au, Pd, Pt, Sb <0.2 ppb each
Ag, As, Cu, Ni, Sn, W <0.5 ppb each
Al, B, Ca, Cr, Fe, Hg, K, Mg, Na, Se, Ti, Zn <1 ppb each
Total P <0.05 ppm
Total S <0.1 ppm
Cl <4 ppm
SiF6 <20 ppm
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry

Elementalimpurities speci edattimeofmanufacture.
For treatment of HF burns, calcium gluconate gel (ROMIL Code PCG9V) is recommended. In order to provide emergency rst aid, it should be kept wherever HF is handled or stored.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cs <0.1 K <0.2 Pr <0.1 Tb <0.1
Al <0.5 Cu <0.1 La <0.1 Pt <0.2 Te <0.1
As <0.1 Dy <0.1 Li <0.1 Rb <0.1 Th <0.1
Au <0.1 Er <0.1 Lu <0.1 Re <0.1 Ti <0.5
B <0.5 Eu <0.1 Mg <0.2 Rh <0.1 Tl <0.1
Ba <0.1 Fe <0.5 Mn <0.1 Ru <0.1 Tm <0.1
Be <0.1 Ga <0.1 Mo <0.1 Sb <0.1 U <0.1
Bi <0.1 Gd <0.1 Na <0.5 Sc <0.1 V <0.1
Ca <0.5 Ge <0.1 Nb <0.1 Se <0.1 W <0.5
Cd <0.1 Hf <0.1 Nd <0.1 Sm <0.1 Y <0.1
Ce <0.1 Hg <0.05 Ni <0.1 Sn <0.1 Yb <0.1
Co <0.1 Ho <0.1 Pb <0.1 Sr <0.1 Zn <0.1
Cr <0.1 In <0.1 Pd <0.2 Ta <0.5 Zr <0.1

Hydrogen Peroxide SpA

H416

500ml H416P
Dgr H:302-318
P:280e-305+351+338-313

H2O2 MW 34.01d 1.10CAS[7722-84-1]
Assay ca. 30%
Colour <10 Hazen (APHA)
B, Be, Bi, Ce, Co, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, Ir, La, Lu, Mn, Nd, Pd, Pt, Rb, Re, Rh, Ru, Sc, Sm, Sr, Tb, Te, Th, Tl, Tm, U, Y, Yb <0.5 ppb each
Ba, Cu, Cr, Sb <1 ppb each
Ag, As, Cd, Ge, In, Li, Mg, Mo, Ni, Pb, Se, Sn, V, Zr <5 ppb each
Al, Ti, Zn <10 ppb each
Au, Ca, Fe, Hg, K, Na, Nb, Ta, W <50 ppb each
Cl, PO4 <0.5 ppm each
SO4, NO3 <1 ppm each
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry
Elemental impurities speci edat time of manufacture.
As a safety measure we t bottles with a closure featuring a venting valve.
Typical values, elemental impurities at time of manufacture (ppb):
Ag 2 Cs <0.1 Ir <0.1 Pd <0.1 Tb <0.1 Al <0.1 Cu <0.1 K 15 Pt <0.1 Te <0.1
As <0.1 Dy <0.1 La <0.1 Rb <0.1 Th <0.1 Au <0.1 Er <0.1 Li <0.1 Re <0.1 Ti 4
B <0.1 Eu <0.1 Lu <0.1 Rh <0.1 Tl <0.1 Ba <0.1 Fe <6 Mg <0.1 Ru <0.1 Tm <0.1 Be <0.1 Ga <0.1 Mn <0.1 Sb <0.1 U <0.1 Bi <0.1 Gd <0.1 Mo <0.1 Sc <0.1 V <0.1 Ca <0.1 Ge <0.1 Na 16 Se 2 W 1
Cd <0.1 Hf <0.1 Nb 0.2 Sm <0.1 Y <0.1 Ce <0.1 Hg 3 Nd <0.1 Sn <0.1 Yb <0.1 Co <0.1 Ho <0.1 Ni <0.1 Sr <0.1 Zn 2
Cr <0.1 In <0.1 Pb <0.1 Ta 1 Zr 2

ROMIL-SpA™ Super Purity Acids and Reagents Specifications

Methyl Alcohol (see Methanol)

4-Methylpentan-2-one (see Methyl iso-Butyl Ketone)

Methanol SpA

low metals *H413*

500ml H413P
1LT H413M
2½LT H413L
Dgr H:225-301+311+331-370
P:210-280f-302+352-309+310-403+235

(Methyl Alcohol)

CH3OH MW 32.04 BP 64.5°C d 0.79 CAS [67-56-1]
Assay >99.9% Water <0.05% Residue <0.0001%
Group 1 & 2 elements typically <0.5 ppb
Group 3 to 12 (transition) elements typically <0.5 ppb
Group 13, 14, 15 elements typically <0.5-<50 ppb
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis (for organic analysis and chromatography see ROMIL Code H410 Methanol SpS)

Typical values, elemental impurities at time of manufacture (ppb):

Ag	<0.5	Cd	<0.5	Mg	<0.5	Sn	<0.5
Al	<0.5	Co	<0.5	Mn	<0.5	Sr	<0.5
As	<0.5	Cr	<0.5	Mo	<0.5	Th	<0.5
B	29	Cu	<0.5	Na	<0.5	Ti	<0.5
Ba	<0.5	Fe	<0.5	Ni	<0.5	U	<0.5
Be	<0.5	Hg	<0.5	Pb	<0.5	V	<0.5
Bi	<0.5	K	<0.5	Sb	1	Zn	<0.5
Ca	<0.5	Li	<0.5	Se	<0.5	Zr	<0.5

Methyl iso-Butyl Ketone SpA *H439*

500ml H439P
2½LT H439L
Dgr H:225-332-319-336-351-EUH066
P:210-305+351+338-304+340

(4-Methylpentan-2-one)

(CH3)2CHCH2COCH3 MW 100.16 BP 117.4°C d 0.80 CAS [108-10-1]
Assay >99.8% Water <0.01% Residue <0.0001%
Group 1 & 2 elements typically <0.1-<250 ppb
Group 3 to 12 (transition) elements typically <0.1-<100 ppb
Group 13, 14, 15 elements typically <0.5-<100 ppb
Peroxides (at time of manufacture) <0.0001% (<1 ppm)
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis (for organic analysis and chromatography see ROMIL Code H446 Methyl iso-Butyl Ketone SpS)

Nitric Acid SpA

500ml H566P
1LT H566M
2½LT H566L
Dgr H:272-290-331-314-EUH071
P:260c-280c-301+330+331-305+351+338-309+310

HNO3 MW 63.01 d 1.42CAS [7697-37-2] Assay 67-69%
Colour <10 Hazen (APHA)
Ag, Au, Ba, Be, Bi, Ce, Cs, Dy, Er, Eu, Ga, Gd, Ge, Hf, Hg, Ho, In, La, Li, Lu, Mn, Mo,
Nb, Nd, Pb, Pr, Rb, Re, Sc, Sm, Sr, Tb, Te, Th, Tl, Tm, U, W, Y, Yb, Zr <0.1 ppb each
As, Cd, Co, Cu, Ni, Pd, Pt, Rh, Ru, Sb, Sn, Ti, V, Zn <0.5 ppb each
Al, B, Ca, Cr, Fe, K, Mg, Na, Se <1 ppb each
Total P <0.01 ppm
Cl <0.2 ppm
Total S <0.3 ppm
Store in dark.
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry

Elementalimpurities speci ed at timeof manufacture.
Concentrated Nitric Acid can decompose to nitrogen oxides (NOx) through action of heat or light resulting in a yellow colouration. However, this does not a ect the performance of the acid with respect to trace metals or oxidising power.
Storage in a cool, dark place is recommended.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cs <0.1 K <0.2 Pr <0.1 Tb <0.1
Al <0.5 Cu <0.1 La <0.1 Pt <0.1 Te <0.1
As <0.1 Dy <0.1 Li <0.1 Rb <0.1 Th <0.1
Au <0.1 Er <0.1 Lu <0.1 Re <0.1 Ti <0.1
B <0.5 Eu <0.1 Mg <0.2 Rh <0.1 Tl <0.1
Ba <0.1 Fe <0.5 Mn <0.1 Ru <0.1 Tm <0.1
Be <0.1 Ga <0.1 Mo <0.1 Sb <0.1 U <0.1
Bi <0.1 Gd <0.1 Na <0.2 Sc <0.1 V <0.1
Ca <0.5 Ge <0.1 Nb <0.1 Se <0.1 W <0.1
Cd <0.1 Hf <0.1 Nd <0.1 Sm <0.1 Y <0.1
Ce <0.1 Hg <0.02 Ni <0.1 Sn <0.1 Yb <0.1
Co <0.1 Ho <0.1 Pb <0.1 Sr <0.1 Zn <0.2
Cr <0.5 In <0.1 Pd <0.1 Ta <0.1 Zr <0.1

ROMIL-SpA™ Super Purity Acids and Reagents Specifications

Perchloric Acid SpA

less than 50% w/w *H675*

500ml H675P
2½LT H675L
Dgr H:272-314
P:210-220o-280c-301+330+331-305+351+338-309+310

HClO4 MW 100.46 d 1.40 CAS [7601-90-3]□ Assay 46-49%
Colour <10 Hazen (APHA)
As, Au, Be, Bi, Ce, Co, Cs, Cu, Dy, Er, Eu, Ga, Gd, Ho, In, La, Li, Lu, Mo, Nd, Pd, Pr,
Pt, Rb, Rh, Sb, Sc, Sm, Sr, Tb, Te, Tl, Tm, U, V, Y, Yb, Zr <0.5 ppb each
Ag, Al, Ba, Ca, Cd, Fe, K, Mg, Mn, Na, Ni, Pb, Sn, Th, Ti, Zn <1 ppb each
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry

Elementalimpurities speci edattime ofmanufacture.
Lesshazardousacid concentration to facilitate international shipping.

Perchloric Acid SpA

H584

500ml H584P
2½LT H584L
Dgr H:271-290-314
P:210-221-280c-301+330+331-305+351+338-309+310

HClO4 MW 100.46 d1.66CAS[7601-90-3]□ Assay 65-71%
Colour <10 Hazen (APHA)
As, Au, Be, Bi, Ce, Co, Cs, Cu, Dy, Er, Eu, Ga, Gd, Ho, In, La, Li, Lu, Mo, Nd, Pd, Pr,
Pt, Rb, Rh, Sb, Sc, Sm, Sr, Tb, Te, Tl, Tm, U, V, Y, Yb, Zr <0.5 ppb each
Ag, Al, Ba, Ca, Cd, Fe, K, Mg, Mn, Na, Ni, Pb, Sn, Th, Ti, Zn <1 ppb each
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry

Elementalimpuritiesspeci edattime ofmanufacture.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cu <0.1 Li <0.1 Pt <0.5 Ti <0.5 Al <0.5 Dy <0.1 Lu <0.1 Rb <0.1 Tl <0.1 As <0.1 Er <0.1 Mg <0.1 Rh <0.1 Tm <0.1 Au <0.1 Eu <0.1 Mn <0.1 Sb <0.1 U <0.1 Ba <0.1 Fe <0.5 Mo <0.1 Sc <0.1 V <0.1 Be <0.1 Ga <0.1 Na <0.1 Sm <0.1 W <0.5 Bi <0.1 Gd <0.1 Nb <0.5 Sn <0.5 Y <0.1 Ca <0.5 Hf <0.5 Nd <0.1 Sr <0.1 Yb <0.1 Cd <0.1 Ho <0.1 Ni <0.5 Ta <0.5 Zn <0.5 Ce <0.1 In <0.1 Pb <0.1 Tb <0.1 Zr <0.1 Co <0.1 K <0.1 Pd <0.5 Te <0.1 Cs <0.1 La <0.1 Pr <0.1 Th <0.1

Sulphuric Acid SpA

H691

500ml H691P
1LT H691M
2½LT H691L
Dgr H:290-314
P:280c-301+330+331-305+351+338-309+310

H2SO4 MW 98.07 d1.84CAS[7664-93-9]□ Assay 93-98%
Colour <10 Hazen (APHA)
Ba, Be, Bi, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nd, Pb, Pr, Sc, Sm, Tb, Te, Th, Tm, U
<0.1 ppb each
Au, Cd, Ce, Co, Cr, Cs, Cu, In, Li, Mn, Mo, Nb, Ni, Pt, Rb, Rh, Sr, Tl, V, W, Y, Yb, Zr
<0.5 ppb each
Ag, Al, As, Ca, Fe, Ge, Hg, K, Mg, Na, Sb, Sn, Ti, Zn <1 ppb each
Se <10 ppb
Total P <0.05 ppm
NO3 <0.2 ppm
Cl <0.7 ppm
Substances reducing permanganate <20 ppm
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis, Ion Chromatography, Voltammetry
Elementalimpuritiesspeci edattime ofmanufacture.
Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.1 Cu <0.1 La <0.1 Pt <0.5 Ti <0.5 Al <0.5 Dy <0.1 Li <0.1 Rb <0.5 Tl <0.5 As <1 Er <0.1 Lu <0.1 Rh <0.5 Tm <0.1 Au <0.1 Eu <0.1 Mg <0.5 Sb <1 U <0.1 Ba <0.1 Fe <0.5 Mn <0.5 Sc <0.1 V <0.1 Be <0.1 Ga <0.1 Mo <0.1 Se <5 W <0.5 Bi <0.1 Gd <0.1 Na <0.5 Sm <0.1 Y <0.5 Ca <0.5 Ge <0.1 Nb <0.5 Sn <0.1 Yb <0.5 Cd <0.1 Hf <0.1 Nd <0.1 Sr <0.1 Zn <0.2 Ce <0.5 Hg <1 Ni <0.1 Ta <0.5 Zr <0.1 Co <0.1 Ho <0.1 Pb <0.1 Tb <0.1 Cr <0.1 In <0.5 Pd <0.5 Te <0.1 Cs <0.5 K <0.5 Pr <0.1 Th <0.1

Water SpA

H951

2½LT H951L

H2OMW 18.02FP 0.0°C BP 100.0°C CAS [7732-18-5]□ Residue <0.0001%
Resistivity (at time of manufacture) >18 MOhm @ 25°C
Elemental impurities at time of manufacture:
Ag, Ba, Be, Bi, Cd, Hg, Mo, Pb, Sb <0.5 ppb each
Al, As, Co, Cr, Cu, Li, Mn, Ni, Sn, Sr, Th, Ti, U, V, Zr <1 ppb each
Fe, Mg, Zn <2 ppb each
B <10 ppb
Ca, K, Na <20 ppb each
Equivalent to ASTM D1193 Type II
Application: Environment Analysis (eg, using AAS, ICP-OES, ICP-MS), Trace Metal Analysis (for HPLC and organic trace analysis see ROMIL Code H950 Water SpS), Ion Chromatography, Voltammetry

Typical values, elemental impurities at time of manufacture (ppb):
Ag <0.3 Ca <1 K <1 Pb <0.02
Al <0.2 Cd <0.01 Li <0.03 Sb <0.01
As <0.08 Co <0.02 Mg <0.2 Sn <0.03
B <6.5 Cr <0.03 Mn <0.02 Sr <0.02
Ba <0.06 Cu <0.07 Mo <0.05 Th <0.02
Be <0.02 Fe <0.1 Na <1 Ti <0.05
Bi <0.02 Hg <0.01 Ni <0.05 U <0.02

V <0.05
Zn <0.2
Zr <0.01