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ROMIL
PURE CHEMISTRY

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Hydro uoric Acid UpA — SS52

500ml SS52P
Dgr H:300+310+330-314
P:280-301+330+331-302+352-304+340-305+351+338-310+ROP 010

HFMW20.01d 1.16CAS[7664-39-3] Assay 47-51%
Trace elemental impurities: parts per trillion level
Batch values reported on accompanying Certi cate of Analysis
Application: Ultra trace inorganic analysis
For treatment of HFburns, calcium gluconate gel (ROMIL CodePCG9V) 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 (ppt):
Ag <1 Cs <0.5 K <10 Pr <0.1 Tb <0.1
Al <10 Cu <10 La <0.1 Pt <10 Te <1
As <10 Dy <0.1 Li <1 Rb <1 Th <0.1
Au <10 Er <0.1 Lu <0.1 Re <0.1 Ti <10
B <10 Eu <0.1 Mg <5 Rh <1 Tl <0.1
Ba <5 Fe <10 Mn <1 Ru <1 Tm <0.1
Be <5 Ga <1 Mo <5 Sb <10 U <0.1
Bi <0.1 Gd <0.1 Na <10 Sc <1 V <1
Ca <10 Ge <1 Nb <5 Se <50 W <10
Cd <0.1 Hf <1 Nd <0.1 Sm <0.1 Y <0.5
Ce <0.1 Hg <20 Ni <10 Sn <10 Yb <0.1
Co <1 Ho <0.1 Pb <1 Sr <1 Zn <5
Cr <10 In <0.1 Pd <10 Ta <20 Zr <10
Typical values, anionic impurities at time of manufacture (ppb):
TotalS <50

Hydrogen Peroxide UpA — SS92

500ml SS92P
Dgr H:302-318
P:280e-305+351+338-313

H2O2 MW34.01 d 1.10CAS [7722-84-1] Assay 30-32% Trace elemental impurities: parts per trillion level Batch values reported on accompanying Certi cate of Analysis Application: Ultra trace inorganic analysis

Typical values, elemental impurities at time of manufacture (ppt):
Ag <10 Cs <1 K <10 Pr <0.5
Al <10 Cu <5 La <0.5 Rb <5
As <10 Dy <0.5 Li <1 Re <5
Au <10 Er <0.5 Lu <0.5 Rh <5
B <100 Eu <0.5 Mg <10 Ru <10
Ba <5 Fe <20 Mn <5 Sb <1
Be <5 Ga <5 Mo <5 Sc <10
Bi <10 Gd <0.5 Na <10 Se <50
Ca <50 Ge <10 Nb <1 Sm <0.5
Cd <1 Hf <1 Nd <0.5 Sn <10
Ce <1 Hg <20 Ni <10 Sr <1
Co <5 Ho <0.5 Pb <1 Ta <10
Cr <5 In <0.5 Pd <10 Tb <0.5
Te<1
Th <0.5
Ti <10
Tl<1
Tm <0.5
U <0.5
V<5
W<10
Y<1
Yb <0.5
Zn <10
Zr<5

Nitric Acid UpA — SS12

500ml SS12P
Dgr H:272-290-331-314-EUH071
P:260c-280c-301+330+331-305+351+338-309+310

HNO3 MW63.01 d1.42CAS [7697-37-2]
Assay 67-69%
Trace elemental impurities: parts per trillion level
Batch values reported on accompanying Certi cate of Analysis
Store in dark.
Application: Ultra trace inorganic analysis
Concentrated Nitric Acid can decompose tonitrogen 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 (ppt):
Ag <2 Cs <0.05 K <5 Pr <0.05 Tb <0.01
Al <10 Cu <3 La <0.05 Pt <1 Te <1
As <10 Dy <0.01 Li <1 Rb <1 Th <0.05
Au <10 Er <0.01 Lu <0.01 Re <1 Ti <10
B <10 Eu <0.01 Mg <5 Rh <1 Tl <0.1
Ba <1 Fe <10 Mn <2 Ru <10 Tm <0.01
Be <5 Ga <1 Mo <1 Sb <10 U <0.01
Bi <0.1 Gd <0.01 Na <5 Sc <1 V <1
Ca <10 Ge <1 Nb <1 Se <20 W <5
Cd <1 Hf <0.05 Nd <0.05 Sm <0.01 Y <1
Ce <0.05 Hg <20 Ni <10 Sn <10 Yb <0.01
Co <1 Ho <0.01 Pb <1 Sr <1 Zn <5
Cr <10 In <1 Pd <10 Ta <10 Zr <1

Perchloric Acid UpA — SS22

500ml SS22P
Dgr H:271-290-314
P:210-221-280c-301+330+331-305+351+338-309+310

HClO4 MW100.46 d1.66CAS[7601-90-3] Assay 65-71% Trace elemental impurities: parts per trillion level Batch values reported on accompanying Certi cate of Analysis Application: Ultra trace inorganic analysis

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Sulphuric Acid UpA

SS32

500ml SS32P
Dgr H:290-314
P:280c-301+330+331-305+351+338-309+310

H2SO4 MW98.07 d1.84CAS [7664-93-9]
Assay 93-98%
Trace elemental impurities: parts per trillion level
Batch values reported on accompanying Certi cate of Analysis
Application: Ultra trace inorganic analysis
Typical values,elemental impurities at timeof manufacture(ppt):

Ag <5 Dy <0.1 Li <10 Rb <1
Al <30 Er <0.1 Lu <0.1 Rh <1
As <500 Eu <0.1 Mg <10 Sb <10
Ba <10 Fe <30 Mn <1 Sc <5
Be <5 Ga <1 Mo <10 Se <500
Bi <1 Gd <0.1 Na <30 Sm <0.1
Ca <50 Ge <100 Nb <1 Sn <50
Cd <1 Hf <0.1 Nd <0.1 Sr <1
Ce <0.1 Hg <50 Ni <20 Ta <20
Co <1 Ho <0.1 Pb <5 Tb <0.1
Cr <10 In <1 Pd <10 Te <10
Cs <1 K <50 Pr <0.1 Th <0.1
Cu <5 La <1 Pt <10 Ti <50
Tl<1
Tm <0.1
U <0.1
V<5
W<5
Y<1
Yb <0.1
Zn <20
Zr<5

Water UpA

SS02

1LT SS02M

H2O MW18.02 FP0.0°C BP 100.0°C CAS [7732-18-5]
Trace elemental impurities: parts per trillion level
Trace anionic impurities: parts per billion level
Batch values reported on accompanying Certi cate of Analysis
Equivalent to ASTM D1193 Type I
Application: Ultra trace inorganic analysis
Typical values,elemental impurities at timeof manufacture(ppt):

Ag <5 Cs <0.1 K <10 Pr <0.1
Al <20 Cu <5 La <0.1 Pt <1
As <10 Dy <0.1 Li <1 Rb <1
Au <10 Er <0.1 Lu <0.1 Re <1
B <20 Eu <0.1 Mg <5 Rh <1
Ba <1 Fe <10 Mn <1 Ru <1
Be <5 Ga <1 Mo <1 Sb <10
Bi <0.1 Gd <0.1 Na <10 Sc <1
Ca <10 Ge <1 Nb <1 Se <50
Cd <1 Hf <0.1 Nd <0.1 Sm <0.1
Ce <0.1 Hg <20 Ni <10 Sn <10
Co <1 Ho <0.1 Pb <1 Sr <1
Cr <10 In <1 Pd <5 Ta <10 Typical values, anionic impurities at time of manufacture (ppb):
Cl <1 PO4 <1 SO4 <1
Tb <0.1
Te<1
Th <0.1
Ti <10
Tl <0.1
Tm <0.1
U <0.1
V<1
W<10
Y<1
Yb <0.1
Zn <10
Zr<1