

AC2114 Sulfuric acid, 96%, Ultratrace®, ppb-trace analysis grade

assay (acidimetric)	93 - 98 %
colour (Hazen)	max. 10
chlorides (Cl)	max. 0,00007 %
nitrates (NO ₃)	max. 0,00002 %
total phosphorus (P)	max. 0,000005 %
substances reducing KMnO ₄passes test
aluminium (Al)	max. 1 ppb
antimony (Sb)	max. 1 ppb
arsenic (As)	max. 0,5 ppb
barium (Ba)	max. 0,1 ppb
beryllium (Be)	max. 0,1 ppb
bismuth (Bi)	max. 0,1 ppb
cadmium (Cd)	max. 0,5 ppb
calcium (Ca)	max. 1 ppb
cerium (Ce)	max. 0,1 ppb
cesium (Cs)	max. 0,1 ppb
chromium (Cr)	max. 0,5 ppb
cobalt (Co)	max. 0,5 ppb
copper (Cu)	max. 0,5 ppb
dysprosium (Dy)	max. 0,1 ppb
erbium (Er)	max. 0,1 ppb
europium (Eu)	max. 0,1 ppb
gadolinium (Gd)	max. 0,1 ppb
gallium (Ga)	max. 0,1 ppb
germanium (Ge)	max. 1 ppb
hafnium (Hf)	max. 0,1 ppb
holmium (Ho)	max. 0,1 ppb
indium (In)	max. 0,1 ppb
iron (Fe)	max. 1 ppb
lanthanum (La)	max. 0,1 ppb
lead (Pb)	max. 0,1 ppb
lithium (Li)	max. 0,5 ppb

lutetium (Lu)	max. 0,1 ppb
magnesium (Mg)	max. 1 ppb
manganese (Mn)	max. 0,5 ppb
mercury (Hg)	max. 0,1 ppb
molybdenum (Mo)	max. 0,5 ppb
neodymium (Nd)	max. 0,1 ppb
nickel (Ni)	max. 0,5 ppb
niobium (Nb)	max. 0,1 ppb
potassium (K)	max. 1 ppb
praseodymium (Pr)	max. 0,1 ppb
rhodium (Rh)	max. 0,5 ppb
rubidium (Rb)	max. 0,5 ppb
samarium (Sm)	max. 0,1 ppb
scandium (Sc)	max. 0,1 ppb
selenium (Se)	max. 10 ppb
silver (Ag)	max. 1 ppb
sodium (Na)	max. 1 ppb
strontium (Sr)	max. 0,5 ppb
tellurium (Te)	max. 0,1 ppb
terbium (Tb)	max. 0,1 ppb
thallium (Tl)	max. 0,1 ppb
thorium (Th)	max. 0,1 ppb
thulium (Tm)	max. 0,1 ppb
tin (Sn)	max. 1 ppb
titanium (Ti)	max. 1 ppb
tungsten (W)	max. 0,5 ppb
uranium (U)	max. 0,1 ppb
vanadium (V)	max. 0,5 ppb
ytterbium (Yb)	max. 0,1 ppb
yttrium (Y)	max. 0,1 ppb
zinc (Zn)	max. 1 ppb
zirconium (Zr)	max. 0,5 ppb

ART. NO.	VOLUME	CONTAINER
AC21141000	1 l	Ⓟ

AC2115 Sulfuric acid, 96%, Ultratrace®, ppt-trace analysis grade

assay (acidimetric)	93 - 98 %
aluminium (Al)	max. 50 ppt
antimony (Sb)	max. 50 ppt
arsenic (As)	max. 500 ppt
barium (Ba)	max. 10 ppt
beryllium (Be)	max. 10 ppt
bismuth (Bi)	max. 10 ppt
cadmium (Cd)	max. 10 ppt
calcium (Ca)	max. 50 ppt
cerium (Ce)	max. 10 ppt
cesium (Cs)	max. 10 ppt
chromium (Cr)	max. 10 ppt
cobalt (Co)	max. 10 ppt
copper (Cu)	max. 10 ppt
dysprosium (Dy)	max. 10 ppt
erbium (Er)	max. 10 ppt
europium (Eu)	max. 10 ppt
gadolinium (Gd)	max. 10 ppt
gallium (Ga)	max. 10 ppt
germanium (Ge)	max. 100 ppt
hafnium (Hf)	max. 10 ppt
holmium (Ho)	max. 10 ppt
indium (In)	max. 10 ppt
iron (Fe)	max. 50 ppt
lanthanum (La)	max. 10 ppt
lead (Pb)	max. 10 ppt
lithium (Li)	max. 10 ppt
lutetium (Lu)	max. 10 ppt
magnesium (Mg)	max. 50 ppt
manganese (Mn)	max. 10 ppt

mercury (Hg)	max. 100 ppt
molybdenum (Mo)	max. 10 ppt
neodymium (Nd)	max. 10 ppt
nickel (Ni)	max. 50 ppt
niobium (Nb)	max. 10 ppt
potassium (K)	max. 50 ppt
praseodymium (Pr)	max. 10 ppt
rhodium (Rh)	max. 50 ppt
rubidium (Rb)	max. 10 ppt
samarium (Sm)	max. 10 ppt
scandium (Sc)	max. 10 ppt
selenium (Se)	max. 500 ppt
silver (Ag)	max. 50 ppt
sodium (Na)	max. 50 ppt
strontium (Sr)	max. 10 ppt
tellurium (Te)	max. 50 ppt
terbium (Tb)	max. 10 ppt
thallium (Tl)	max. 10 ppt
thorium (Th)	max. 10 ppt
thulium (Tm)	max. 10 ppt
tin (Sn)	max. 50 ppt
titanium (Ti)	max. 50 ppt
tungsten (W)	max. 10 ppt
uranium (U)	max. 10 ppt
vanadium (V)	max. 10 ppt
ytterbium (Yb)	max. 10 ppt
yttrium (Y)	max. 10 ppt
zinc (Zn)	max. 50 ppt
zirconium (Zr)	max. 10 ppt

ART. NO.	VOLUME	CONTAINER
AC21150250	250 ml	Ⓟ
AC21150500	500 ml	Ⓟ

SULFURIC ACID, 90 - 91%

AC2064 Sulfuric acid, solution 90 - 91% w/w, for Gerber fat determination and testing nitrates in milk

- Synonyms: Sulphuric acid
- H₂SO₄
- M = 98,08 g/mol
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: 1,81 g/cm³
- Solub. in water: (20 °C): miscible
- Boiling point: ~ 300 °C
- Vapour pressure: (20 °C) ~ 0,0001 hPa
- LD 50 (oral, rat): 2140 mg/kg (pure substance)
- EC-Index-No.: 016-020-00-8
- ADR: 8 C1 II UN 1830
- IMDG: 8 II UN 1830
- IATA/ICAO: 8 II UN 1830

- GHS-signal word: Danger
- GHS-H sentences: H314
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2807 00 00 00
- Applications: analytical chemistry, for determination of: fats and nitrates in milk.

assay (acidimetric) 90 - 91 %
density (15^o/4^o) 1,820 - 1,825
nitrates (NO₃) max. 0,00002 %
suitability for determination of fat in milk passes test
Avoid exposure to light

ART. NO.	VOLUME	CONTAINER
AC20641000	1 l	Ⓟ
AC20642500	2,5 l	Ⓟ
AC2064005P	5 l	Ⓟ
AC2064025P	25 l	Ⓟ