



PRODUCT CODE: 766054

Nickel standard solution Ni=1.000 g/l for ICP
(Ni in HNO₃ 2-5%) for ICP

TARIC 3822 00 00 00

The solution of the element at the concentration given about, is NIST standard traceable .

PHYSICAL DATA: liquid, Clear, Green, Miscible with water • D 20/4 1,02 • M.P.: -3 °C • B.P.: 101 °C •

BIBLIOGRAPHY:

HAZARDOUS: VLA-EC (HNO₃) 4 ppm10 mg/m³ VLA-ED (HNO₃) 2 ppm5,2 mg/m³



H: H319 • H335 • H315 •
P: P261 • P264 • P271 • P280 • P302+P352 • P501 • P304+P340 • P305+P351+P338 • P312 • P321 • P332+P313
• P337+P313 • P362 • P403+P233 • P405 •

TRANSPORT REGULATIONS: UN: 3264 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •

WEIGHT/VOLUME INFORMATION: 1l~1,02 kg 1kg~0,98 l

SPECIFICATIONS:

Composition 1 g Ni / l in HNO₃ 2-5%
Concentration (as Ni)
Uncertainty
Traceability

0,990-1,010 g/l
See certificate
NIST

Method of analysis

ICP-OES

Maximum limit of impurities

Metals by ICP [in mg/Kg (ppm)]

Ag	0,043
Al	0,003
As	0,004
Au	0,002
B	0,006
Ba	0,002
Be	0,003
Bi	0,002
Ca	0,026
Cd	0,002
Ce	0,002
Co	0,006
Cr	0,002
Cs	0,002
Cu	0,011
Dy	0,002
Er	0,002
Eu	0,002
Fe	0,201
Ga	0,002
Gd	0,002
Ge	0,002
Hf	0,002
Hg	0,003
Ho	0,002
In	0,002
Ir	0,002
K	0,01
La	0,002
Li	0,003
Lu	0,002
Mg	0,008
Mn	0,003
Mo	0,003
Na	0,02
Nb	0,002
Nd	0,002
Os	0,002
P	0,005
Pb	0,003
Pd	0,009
Pr	0,002
Pt	0,002
Rb	0,002
Re	0,002
Rh	0,002
Ru	0,002
S	0,039
Sb	0,002
Sc	0,002
Se	0,002
Si	0,002
Sm	0,002

Sn	0,002
Sr	0,002
Ta	0,002
Tb	0,002
Te	0,002
Th	0,002
Ti	0,002
Tl	0,003
Tm	0,002
U	0,002
V	0,002
W	0,002
Y	0,002
Yb	0,002
Zn	0,005
Zr	0,002