



PRODUCT CODE: 766034

Aluminium standard solution Al=1.000 g/l for ICP
(Al 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, Colourless, Miscible with water • D 20/4 1,02 • M.P.: -3 °C • B.P.: 101 °C • pH0,5 •

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 Al / l in HNO₃ 2-5%
Concentration (as Al)
Uncertainty

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

Traceability
Method of analysis

NIST
ICP-OES

Maximum limit of impurities

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

Ag	0,001
As	0,012
Au	0,002
B	0,005
Ba	0,002
Be	0,003
Bi	0,001
Ca	0,007
Cd	0,002
Ce	0,002
Co	0,001
Cr	0,001
Cs	0,002
Cu	0,002
Dy	0,002
Er	0,002
Eu	0,002
Fe	0,002
Ga	0,001
Gd	0,002
Ge	0,001
Hf	0,002
Hg	0,002
Ho	0,002
In	0,002
Ir	0,002
K	0,006
La	0,002
Li	0,003
Lu	0,002
Mg	0,01
Mn	0,001
Mo	0,002
Na	0,011
Nb	0,002
Nd	0,002
Ni	0,002
Os	0,002
P	0,004
Pb	0,001
Pd	0,009
Pr	0,002
Pt	0,002
Rb	0,002
Re	0,002
Rh	0,002
Ru	0,002
S	0,03
Sb	0,002
Sc	0,002
Se	0,002
Si	0,002

Sm	0,002
Sn	0,001
Sr	0,002
Ta	0,004
Tb	0,002
Te	0,002
Th	0,002
Ti	0,001
Tl	0,001
Tm	0,002
U	0,002
V	0,001
W	0,002
Y	0,002
Yb	0,002
Zn	0,005
Zr	0,002

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