



PRODUCT CODE: 766037

Barium standard solution Ba=1.000 g/l for ICP
(BaCO₃ 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 •

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 BaCO₃ / l in HNO₃ 2-5%
Concentration (as Ba)
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	0,044
Al	0,074
As	0,004
Au	0,003
B	0,006
Be	0,003
Bi	0,003
Ca	0,021
Cd	0,002
Ce	0,002
Co	0,015
Cr	0,015
Cs	0,002
Cu	0,015
Dy	0,002
Er	0,002
Eu	0,002
Fe	0,016
Ga	0,003
Gd	0,002
Ge	0,003
Hf	0,002
Hg	0,002
Ho	0,002
In	0,002
Ir	0,002
K	0,077
La	0,002
Li	0,016
Lu	0,002
Mg	0,034
Mn	0,015
Mo	0,009
Na	0,039
Nb	0,002
Nd	0,002
Ni	0,016
Os	0,002
P	0,004
Pb	0,015
Pd	0,009
Pr	0,002
Pt	0,002
Rb	0,002
Re	0,002
Rh	0,002
Ru	0,002
S	0,036
Sb	0,008
Sc	0,002
Se	0,002
Si	0,145
Sm	0,002

Sn	0,016
Sr	0,145
Ta	0,002
Tb	0,002
Te	0,002
Th	0,002
Ti	0,015
Tl	0,008
Tm	0,002
U	0,002
V	0,004
W	0,005
Y	0,002
Yb	0,002
Zn	0,018
Zr	0,008