



**PRODUCT CODE: 765915**

**Yttrium standard solution Y=1.000 g/l for ICP**  
(Y<sub>2</sub>O<sub>3</sub> in HNO<sub>3</sub> 2-5%) for ICP

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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 (HNO<sub>3</sub>) 4 ppm10 mg/m<sup>3</sup> VLA-ED (HNO<sub>3</sub>) 2 ppm5,2 mg/m<sup>3</sup>



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: 1760 • 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 1,27 g Y<sub>2</sub>O<sub>3</sub> / l HNO<sub>3</sub> 2%  
Concentration (as Y)  
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	0,005
Al	0,006
As	0,003
Au	0,002
B	0,006
Ba	0,002
Be	0,003
Bi	0,002
Ca	0,012
Cd	0,002
Ce	0,014
Co	0,002
Cr	0,002
Cs	0,002
Cu	0,002
Dy	0,004
Er	0,007
Eu	0,004
Fe	0,008
Ga	0,008
Gd	0,007
Ge	0,002
Hf	0,002
Hg	0,002
Ho	0,002
In	0,002
Ir	0,002
K	0,018
La	0,033
Li	0,003
Lu	0,007
Mg	0,007
Mn	0,002
Mo	0,003
Na	0,023
Nb	0,002
Nd	0,002
Ni	0,003
Os	0,002
P	0,004
Pb	0,002
Pd	0,009
Pr	0,002
Pt	0,002
Rb	0,002
Re	0,002
Rh	0,002
Ru	0,002
S	0,035
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	0,002
Tm	0,007
U	0,002
V	0,002
W	0,002
Yb	0,014
Zn	0,005
Zr	0,002