

Concentration: $1,000 \pm 3 \mu\text{g/mL}$

Starting material: $\text{Be}_2\text{O}_3(\text{G}2\text{H}3\text{O}2)_6$

Lot No. 04-005904D
Mfg. No. 04-063304D

Matrix: 5% HNO_3

Density: $1.019 \pm 0.002 \text{ g/mL}$

This solution is intended for use as a calibration standard for plasma emission spectrometry (ICP-AES/DCP). The

Uncertainty Statement

starting material dissolved in high purity acid and diluted with ASTM Type 1 water. The uncertainty associated with the certified concentration is approximated by summing the estimated errors due to the purity of the starting material, the gravimetric preparation of the solution, and transpiration of the solution through the container walls. The following trace impurities were detected:

Element	Concentration ($\mu\text{g/mL}$)
Al	0.001
As	0.001
B	0.001
Ca	0.001
Cd	0.001
Co	0.001
Cu	0.001
Fe	0.001
Hg	0.001
K	0.001
Mn	0.001
Mo	0.001
Ni	0.001
Pb	0.001
S	0.001
Se	0.001
Si	0.001
Sr	0.001
Ta	0.001
Ti	0.001
V	0.001
Zn	0.001

