



Barium, 1000 ug/mL (0.10% w/v)

BAKER INTRA-ANALYZED[®] Reagent

Plasma Standard

(barium nitrate in 5% HNO₃)

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Product No. 5705

Lot No. L12N78

Release Date 04/09/2012

Certificate of Analysis

| TEST | SPECIFICATION | RESULT |
|--|------------------|--------|
| Barium (Ba) | | |
| Prepared from the highest purity raw material available, generally greater than 99.999% spectral purity. The metal content of the solution is confirmed to be | | |
| accurate to within $\pm 0.3\%$ of the assayed value at 20°C (typically 1000 ug/mL). The Certificate of Analysis also lists the trace impurity level in ug/mL | | |
| for over 65 elements. | | |
| Trace Impurities (in ug/mL): | | |
| Aluminum (Al) | Information Only | < 0.04 |
| Arsenic (As) | Information Only | < 0.2 |
| Gold (Au) | Information Only | < 0.1 |
| Boron (B) | Information Only | < 0.02 |
| Beryllium (Be) | Information Only | < 0.01 |
| Bismuth (Bi) | Information Only | < 0.2 |
| Calcium (Ca) | Information Only | < 0.05 |
| Cadmium (Cd) | Information Only | < 0.02 |
| Cerium (Ce) | Information Only | < 0.3 |
| Cobalt (Co) | Information Only | < 0.02 |
| Chromium (Cr) | Information Only | < 0.02 |
| Cesium (Cs) | Information Only | < 100 |
| Copper (Cu) | Information Only | < 0.02 |
| Dysprosium (Dy) | Information Only | < 0.03 |
| Erbium (Er) | Information Only | < 0.02 |
| Europium (Eu) | Information Only | < 0.02 |
| Iron (Fe) | Information Only | < 0.02 |
| Gallium (Ga) | Information Only | < 0.03 |
| Gadolinium (Gd) | Information Only | < 0.07 |
| Germanium (Ge) | Information Only | < 0.1 |
| Hafnium (Hf) | Information Only | < 0.05 |
| Mercury (Hg) | Information Only | < 0.2 |
| Holmium (Ho) | Information Only | < 0.02 |
| Indium (In) | Information Only | < 0.02 |
| Iridium (Ir) | Information Only | < 0.2 |
| Potassium (K) | Information Only | < 0.5 |
| Lanthanum (La) | Information Only | < 0.03 |
| Lithium (Li) | Information Only | < 0.02 |
| Lutetium (Lu) | Information Only | < 0.02 |
| Magnesium (Mg) | Information Only | < 0.01 |
| Manganese (Mn) | Information Only | < 0.01 |

| | | |
|-------------------|------------------|--------|
| Molybdenum (Mo) | Information Only | < 0.04 |
| Sodium (Na) | Information Only | < 0.1 |
| Silver (Ag) | Information Only | < 0.02 |
| Niobium (Nb) | Information Only | < 0.05 |
| Neodymium (Nd) | Information Only | < 0.05 |
| Nickel (Ni) | Information Only | < 0.02 |
| Osmium (Os) | Information Only | < 0.5 |
| Phosphorus (P) | Information Only | < 0.1 |
| Lead (Pb) | Information Only | < 0.1 |
| Palladium (Pd) | Information Only | < 0.1 |
| Praseodymium (Pr) | Information Only | < 0.06 |
| Platinum (Pt) | Information Only | < 0.1 |
| Rubidium (Rb) | Information Only | < 50 |
| Rhenium (Re) | Information Only | < 0.1 |
| Rhodium (Rh) | Information Only | < 0.02 |
| Ruthenium (Ru) | Information Only | < 0.05 |
| Sulfur (S) | Information Only | < 0.05 |
| Antimony (Sb) | Information Only | < 0.01 |
| Scandium (Sc) | Information Only | < 0.01 |
| Selenium (Se) | Information Only | < 0.5 |
| Silicon (Si) | Information Only | < 0.1 |
| Samarium (Sm) | Information Only | < 0.04 |
| Tin (Sn) | Information Only | < 0.1 |
| Strontium (Sr) | Information Only | < 0.01 |
| Tantalum (Ta) | Information Only | < 0.1 |
| Terbium (Tb) | Information Only | < 0.06 |
| Tellurium (Te) | Information Only | < 0.5 |
| Thorium (Th) | Information Only | < 0.2 |
| Titanium (Ti) | Information Only | < 0.02 |
| Thallium (Tl) | Information Only | < 0.1 |
| Thulium (Tm) | Information Only | < 0.04 |
| Uranium (U) | Information Only | < 0.4 |
| Vanadium (V) | Information Only | < 0.02 |
| Tungsten (W) | Information Only | < 0.2 |
| Yttrium (Y) | Information Only | < 0.02 |
| Ytterbium (Yb) | Information Only | < 0.02 |
| Zinc (Zn) | Information Only | < 0.02 |
| Zirconium (Zr) | Information Only | < 0.04 |

For Laboratory, Research or Manufacturing Use

USE BEFORE March 31, 2014

Country of Origin: USA

ISO

Phillipsburg, NJ 9001.2008, 14001.2004
 Paris, KY 9001.2008
 Mexico City, Mexico 9001.2008
 Deventer, The Netherlands 9001.2008, 14001.2004, 13485.2003
 Selangor, Malaysia 9001.2008
 Panaji, India 9001.2008
 Gliwice, Poland 9001.2008, 17025.2005

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