

Be Solid from BeO on Filter Media



Problem:

How do you know that your digestion method and results of the collected air quality filter accurately reflects the beryllium exposure?

29 CFR 1910.1450

Occupational exposure to hazardous chemicals in laboratories outlines laboratories' responsibility to protect employees which includes testing to make sure they are not exposed past the permissible limits.

Solution:

HPS provides a NIST traceable quality control check standard of Be solid from BeO on filter media and recommended digestion method as an answer to this problem.

HPS produces this standard at: 0.2µg/Filter, 0.5µg/Filter, 1µg/Filter, and 2µg/Filter on 0.8µm pore, 37mm dia, nitrocellulose. Other filter medias and concentrations are available. High Purity Standards has the experience and capabilities to spike a wide variety of medias including soil, cellulose ester powder and dog food.

Substance	8-hour time weighted average	Acceptable ceiling concentration	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	
			Concentration	Maximum duration
Beryllium and beryllium compounds (Z37.29-1970)	2 ug/m(3)	5 ug/m(3)	25 ug/m(3)	30 minutes

Please contact us today for a quote specifying your needed concentration and media.



PO Box 41727
Charleston, SC 29423

Phone: 843-767-7900
Fax: 843-767-7906

Email: info@highpuritystandards.com

www.highpuritystandards.com

Filter Media Available

PVC: HP-PVC homopolymer of polyvinyl chloride

- *Excellent membrane choice for sampling airborne metals, silica, and dust*
- *Inherently low ash membrane ideally suited for multiple NIOSH analytical methods*
- *Assure gravimetric stability. Low moisture pick-up and low tare weight*
- *Low ash. Provides interference-free silica determinations*

Metrical: DM Metrical 800 membrane

- *Versatile membrane for environmental applications*
- *Low moisture pick-up for weight stability*
- *Dissolves completely using standard digestion procedures*

PTFE Filter Membrane

- *For air monitoring and sampling in aggressive environments*
- *Strong, chemically resistant membranes for air monitoring and sampling in aggressive environments*
- *Low chemical background permits highly sensitive, interference-free determinations*
- *Ensures accurate gravimetric determinations with low tare mass*
- *Ideal for filtration of gas and/or organic solvents*

Quartz filter, Tissuquartz: Versatile filters *uniquely suited for a broad range of air monitoring applications*

- *Heat treated for reduction of trace organics and superior chemical purity*
- *High temperature use for analysis of acidic gases and stack sampling aerosols*
- *High flow rate and filtration efficiency*
- *Ultra-pure soft water processing to reduce residual ion content*
- *Can be used for high temperature and hot gas air monitoring applications*
- *Ideal for diesel and other emissions testing required by environmental regulatory agencies*



PO Box 41727
Charleston, SC 29423

Phone: 843-767-7900
Fax: 843-767-7906

Email: info@highpuritystandards.com

www.highpuritystandards.com