

Out of Stock - Item is not available at this time - Respirable Alpha Quartz on Filter Media (Nominal Mass of Alpha Quartz 5 µg-500 µg)

Art. ID	NIST-2950a
Unit	30 filters plus 30 blanks
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for the calibration of X-ray diffraction (XRD) spectrometers for the determination of respirable alpha quartz using National Institute for Occupational Safety and Health (NIOSH) Method 7500, or the equivalent. The SRM was produced by depositing a known amount of SRM-1878a Respirable Alpha Quartz, as a slurry on a 25 mm diameter polyvinyl chloride (PVC) filter. A unit of SRM-2950a consists of 35 blank PVC filters containing no alpha quartz and 5 loaded PVC filters at each of the following nominal levels: 5 µg, 10 µg, 20 µg, 50 µg, 100 µg, 250 µg, and 500 µg. The blank filters are stored in seven petri dishes each containing five filters. The loaded filters are stored in seven petri dishes each containing five filters of the nominal level. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Nominal Alpha Quartz Ma ss: 5 µ, Coverage Facto r (k): 2,31	Certified Alpha Quartz Mass		4,85 ± 0,44	µg		
Nominal Alpha Quartz Ma ss:10 µ, Coverage Facto r (k): 2,36	Certified Alpha Quartz Mass		9,6 ± 1,1	µg		
Nominal Alpha Quartz Ma ss: 20 µ, Coverage Fact or (k): 2,2	Certified Alpha Quartz Mass		19,4 ± 1,2	µg		
Nominal Alpha Quartz Ma ss: 50 µ, Coverage Fact or (k): 2,36	Certified Alpha Quartz Mass		48,6 ± 4,5	µg		
Nominal Alpha Quartz Ma ss: 100 µ, Coverage Fac tor (k): 2,05	Certified Alpha Quartz Mass		96,1 ± 4,8	µg		
Nominal Alpha Quartz Ma ss: 250 µ, Coverage Fac tor (k): 2,36	Certified Alpha Quartz Mass		245 ± 19	µg		
Nominal Alpha Quartz Ma ss: 500 µ, Coverage Fac tor (k): 2,31	Certified Alpha Quartz Mass		483 ± 30	µg		