

PARTICLE COUNT AND MASS CONCENTRATION IN RESPIRABLE RANGE (0.5 - 5 μ)
AS OBTAINED FROM SIMULTANEOUS SAMPLING IN SOME TYPICAL OPERATIONS IN MILLS (1977)

	Mean weight of Single Particles (ng)	ng/m ³	Coefficient for mg/m ³ to pp/ml conversion: 1/mean weight	pp/ml
Crushing		Then: TLV		
Milling	$4 \cdot 10^{-9}$	56	0.5-0.7	250
Bagging	$5 \cdot 10^{-9}$	70	1.2	200
Storage	$4 \cdot 10^{-9}$		0.8	250
Floor sweeping operations (intermittent)	$6 \cdot 10^{-9}$		2.5	170
				425

Data from personal communication of Prof. E. Occella

Free silica content not measurable.