

TABLE 2. Concentration of molybdenum in wild-type and *chlD* cells

Growth conditions ^a	Mo concn in strain:			
	SA302		SA322	
	$\mu\text{g/g}$ (dry wt) ^b	Molarity ^c (μM)	$\mu\text{g/g}$ (dry wt)	Molarity (μM)
Aerobic				
–Mo	0.54 \pm 0.19	1.0	0.12 \pm 0.04	0.2
+Mo	3.02 \pm 0.52	5.6	2.47 \pm 0.51	4.6
Anaerobic (+NO₃)				
–Mo	1.30 \pm 0.40	2.4	0.12 \pm 0.09	0.2
+Mo	6.87 \pm 1.14	12.7	5.00 \pm 0.02	9.2

^a Cells were grown with (+Mo) or without (–Mo) 0.1 mM Na₂MoO₄; anaerobic growth conditions included 20 mM NaNO₃.

^b Values are means \pm standard deviations.

^c Molarity of molybdenum in whole cells was calculated by estimating cell volume as 1.6×10^{-15} liter (18) and dry weight of one cell as 2.8×10^{-13} g (15).