

Structure Data of Free Polyatomic Molecules

96 MW	BrO ₂	Bromine dioxide	C _{2v} BrO ₂
	r_0 Å ^{a)}	θ_0 deg ^{a)}	
	Br–O 1.6491(15)	O–Br–O 114.44(25)	
	r_z Å ^{a)}	θ_z deg ^{a)}	
	Br–O 1.64968(1)	O–Br–O 114.429(1)	
	r_e ^{b)} Å ^{c)}	θ_e ^{b)} deg ^{c)}	
	Br–O 1.644(1)	O–Br–O 114.3(1)	

^{a)} Estimated standard error.

^{b)} Derived from r_z .

^{c)} Uncertainties were not estimated in the original paper.

Müller, H.S.P., Miller, C.E., Cohen, E.A.: J. Chem. Phys. **107** (1997) 8292.