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Supporting information for article:

Zharchikhite, AlF(OH)2: a novel structure type related to α-PbO2

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Table S1. Atom coordinates, equivalent and anisotropic displacement parameters (in $Å^2$) for zharchikhite.

Al	0.74234(6)	0.08386(4)	0.98407(7)	0.00435(18)	0.0041(3)	0.0048(2)	0.0043(3)	-0.00002(11)	0.00200(18)	0.00009(10)
O1	0.34054(18)	0.06447(10)	0.77768(18)	0.0064(2)	0.0058(4)	0.0086(4)	0.0040(4)	0.0007(3)	0.0015(3)	-0.0006(3)
H1	0.275(3)	0.054(2)	0.598(2)	0.023(4)*						
O2	0.85510(19)	-0.09266(10)	0.80783(19)	0.0062(2)	0.0052(4)	0.0057(4)	0.0072(4)	-0.0013(3)	0.0022(4)	-0.0010(3)
H2	0.781(3)	-0.1920(14)	0.782(4)	0.023(4)*						
F	0.72572(14)	0.26973(9)	0.19524(15)	0.0084(2)	0.0097(4)	0.0080(4)	0.0082(4)	-0.0031(2)	0.0046(3)	-0.0001(2)

*U_{iso}