



**Structure Type 058: Al<sub>2</sub>O<sub>3</sub> (D<sub>5</sub><sub>1</sub>, sapphire/corundum)**

(Al green, O red)

**Crystal Structure Data**

<b>Spacegroup Symbol:</b>	R -3 c
<b>Origin Offset:</b>	(none)
<b>Lattice Type:</b>	R

**Unit Cell Parameters**

a [Å]	b [Å]	c [Å]	alpha [deg]	beta [deg]	gamma [deg]
4.7617	4.7617	12.9947	90.000	90.000	120.000

**Fractional Coordinates of Atoms in the Asymmetric Unit**

Site Label	Element	x	y	z
Al 1	Al	0.0000	0.0000	0.3521
O 1	O	0.3065	0.0000	0.2500

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