### Name and formula

Reference code: 01-073-0958

ICSD name: Zirconium Oxide

Empirical formula: OZr<sub>3</sub>
Chemical formula: Zr<sub>3</sub>O

## Crystallographic parameters

Crystal system: Rhombohedral

Space group: R32 Space group number: 155

a (Å): 5,5630 b (Å): 5,5630 c (Å): 31,1850 Alpha (\*): 90,0000 Beta (\*): 90,0000 Gamma (\*): 120,0000

Calculated density (g/cm^3): 6,91
Volume of cell (10^6 pm^3): 835,77
Z: 12,00

RIR: 11,83

## Subfiles and Quality

Subfiles: Inorqanic

Alloy, metal or intermetalic

Corrosion

Modelled additional pattern

Quality: Calculated (C)

#### **Comments**

ICSD collection code: 023402

Test from ICSD: At least one TF missing.

No Rivalue given.

#### References

Primary reference: Calculated from ICSD using POWD-12++, (1997)

Structure: Dubertret, A., Lehr, P., C.R. Seances Acad. Sci., Ser. G 268, 501, (1969)

#### <u>Peak list</u>

No.	h	k	1	d [A]	2Theta[deg]	I [%]
1	0	0	3	10,39500	8,499	0,1
2	1	0	1	4,76118	18,621	0,1
3	0	1	2	4,60295	19,267	0,4
4	1	0	4	4,09831	21,667	0,1
5	0	1	5	3,81268	23,312	0,8

# Stick Pattern

