

IV. Klasse. Oxide und Hydroxide

Abteilung D

| Mineral | Formel | Zusammensetzung in Masse-% | | | | | | | |
|-------------|---|-------------------------------|-------|--------------------------------|-------|--------------------------------|-------|--------------------------------|-------|
| | | | | | | | | | |
| Quarz | SiO ₂ | SiO ₂ | 100 | | | | | | |
| Tridymit | SiO ₂ | SiO ₂ | 100 | | | | | | |
| Cristbalit | SiO ₂ | SiO ₂ | 100 | | | | | | |
| Coesit | SiO ₂ | SiO ₂ | 100 | | | | | | |
| Stishovit | SiO ₂ | SiO ₂ | 100 | | | | | | |
| Rutil | TiO ₂ | TiO ₂ | 100 | | | | | | |
| Schreyerit | V ₂ Ti ₃ O ₉ | V ₂ O ₃ | 38,47 | TiO ₂ | 61,53 | | | | |
| Cafetit | CaMgFe ₄ Al ₄ Ti ₁₆ O ₂₄ *8H ₂ O | CaO | 4,91 | MgO | 3,53 | Fe ₂ O ₃ | 13,98 | Al ₂ O ₃ | 8,94 |
| | | H ₂ O | 12,63 | TiO ₂ | 56,00 | | | | |
| Zinnstein | SnO ₂ | SnO ₂ | 100 | | | | | | |
| Plattnerit | PbO ₂ | PbO ₂ | 100 | | | | | | |
| Tapiolit | FeMnTa ₂ Nb ₂ O ₁₂ | FeO | 8,45 | MnO | 8,34 | Ta ₂ O ₅ | 51,96 | Nb ₂ O ₅ | 31,25 |
| Byströmit | MgSb ₂ O ₆ | MgO | 11,08 | Sb ₂ O ₅ | 88,92 | | | | |
| Tripuhyit | FeSb ₂ O ₆ | FeO | 18,17 | Sb ₂ O ₅ | 81,83 | | | | |
| Ordonezit | ZnSb ₂ O ₆ | ZnO | 20,11 | Sb ₂ O ₅ | 78,89 | | | | |
| Pyrolusit | MnO ₂ | MnO ₂ | 100 | | | | | | |
| Kryptomelan | K ₂ MnMn ₇ O ₁₆ | K ₂ O | 12,18 | MnO | 9,17 | MnO ₂ | 78,65 | | |
| Hollandit | Ba ₂ Mn ₂ Mn ₆ O ₁₆ | BaO | 30,60 | MnO | 14,16 | MnO ₂ | 55,24 | | |
| Coronadit | Pb ₂ Mn ₂ Mn ₆ O ₁₆ | PbO | 40,22 | MnO | 12,78 | MnO ₂ | 47,00 | | |
| Psilomelan | BaMnMn ₇ O ₁₆ *H ₂ O | BaO | 18,02 | H ₂ O | 2,12 | MnO | 8,34 | MnO ₂ | 71,52 |
| Ramsdellit | MnO ₂ | MnO ₂ | 100 | | | | | | |
| Takanelith | CaMnMn ₄ O ₉ *3H ₂ O | CaO | 74,74 | H ₂ O | 11,61 | MnO | 7,62 | MnO ₂ | 74,73 |
| Janggunit | FeMnMn ₁₀ O ₁₆ (OH) ₁₂ | FeO | 6,41 | H ₂ O | 9,65 | MnO | 6,33 | MnO ₂ | 77,61 |
| Anatas | TiO ₂ | TiO ₂ | 100 | | | | | | |
| Selenolith | SeO ₂ | SeO ₂ | 100 | | | | | | |
| Downeyit | SeO ₂ | SeO ₂ | 100 | | | | | | |
| Brookit | TiO ₂ | TiO ₂ | 100 | | | | | | |
| Tellurit | TeO ₂ | TeO ₂ | 100 | | | | | | |
| Kuranakhit | PbMnTeO ₆ | PbO | 45,95 | MnO | 17,90 | TeO ₃ | 36,15 | | |
| Wolframit | FeMnW ₂ O ₈ | FeO | 11,85 | MnO | 11,70 | WO ₃ | 76,45 | | |
| Sanmartinit | FeZnW ₂ O ₈ | FeO | 11,65 | ZnO | 13,20 | WO ₃ | 75,15 | | |
| Raspit | PbWO ₄ | PbO | 49,05 | WO ₃ | 50,95 | | | | |

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|-----------------|--|----------------------------|-------|-------------------------|-------|-------------------------|-------|--|--|
| | | | | | | | | | |
| Niobit | $\text{FeMnNb}_4\text{O}_{12}$ | FeO | 10,65 | MnO | 10,52 | Nb_2O_5 | 78,83 | | |
| Tantalit | $\text{FeMnTa}_4\text{O}_{12}$ | FeO | 7,00 | MnO | 6,91 | Ta_2O_5 | 86,09 | | |
| Kassit | $\text{CaTi}_2\text{O}_4(\text{OH})_2$ | CaO | 23,98 | H_2O | 7,70 | TiO_2 | 68,32 | | |
| Priorit | YTiNbO_6 | Y_2O_3 | 34,67 | TiO_2 | 24,52 | Nb_2O_5 | 40,81 | | |
| Brannerit | UTi_2O_6 | U_2O | 62,83 | TiO_2 | 37,17 | | | | |
| Fergusonit | Y_2NbTaO_8 | Y_2O_3 | 38,95 | Nb_2O_5 | 22,93 | Ta_2O_5 | 38,12 | | |
| Cervantit | Sb_2O_4 | Sb_2O_3 | 47,40 | Sb_2O_5 | 52,60 | | | | |
| Stibioniobit | SbNbO_4 | Sb_2O_3 | 52,30 | Nb_2O_5 | 47,70 | | | | |
| Stibiotantalit | SbTaO_4 | Sb_2O_3 | 39,75 | Ta_2O_5 | 60,25 | | | | |
| Bismutotantalit | BiTaO_4 | BiO_2 | 51,32 | Ta_2O_5 | 48,68 | | | | |
| Koehlinith | Bi_2MoO_6 | Bi_2O_5 | 81,65 | MoO | 18,35 | | | | |
| Simpsonit | $\text{Al}_6\text{Ta}_4\text{O}_{19}$ | Al_2O_3 | 25,71 | Ta_2O_5 | 74,29 | | | | |
| Thoreaulith | SnTaNbO_7 | SnO | 29,87 | Ta_2O_5 | 43,79 | Nb_2O_5 | 26,34 | | |
| Baddeleyit | ZrO_2 | ZrO_2 | 100 | | | | | | |
| Uraninit | UO_2 | UO_2 | 100 | | | | | | |
| Thorianit | ThUO_4 | ThO_2 | 49,44 | UO_2 | 50,56 | | | | |
| Cerianit | CeUO_4 | CeO_2 | 40,39 | UO_2 | 59,61 | | | | |

Abteilung E

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|--------------|--|----------------------------|------|---------------|-------|--|--|--|--|
| | | | | | | | | | |
| Nioboxid | Nb_2O_5 | Nb_2O_5 | 100 | | | | | | |
| Tantalocker | Ta_2O_5 | Ta_2O_5 | 100 | | | | | | |
| Wolframocker | $\text{WO}_3 \cdot \text{H}_2\text{O}$ | H_2O | 7,21 | WO_3 | 92,79 | | | | |