

## Solutions to exercises

### Exercise 1

Commercial Paracetamol consists primarily of the thermodynamically stable **monoclinic (type I) form**, even though this polymorphic form has poor compression properties; however, the orthorhombic (type II) form is metastable and directly compressible.

### Exercise 2

CPD2 is composed of:

- **Corundum** (wT: 21.27%)
- **Fluorite** (wT: 22.53%)
- **Zincite** (wT: 19.94%)
- **Brucite** (wT: 36.26%)

The semi-quantitative analysis could be affected by large error due to the peak overlap and the presence of preferred orientation of the brucite