Supplementary Data: Thermal test of COD and COM mixtures.

Preparation of COD and COM samples and TG measurements were described in Experimental section. Different amount of COD and COM crystals were mixed and subjected to TG measurements. Experimental data of 8 tests are listed in Table S1. Real COD contents were calculated based on their amounts in the mixtures (Formula S1). Observed COD contents were calculated based on Formula 3 proposed in the article (Formula S2). Deviation was calculated based on Formula S3.

$$\text{Real } C_{COD} = \frac{y}{x + y} \qquad \text{(Formula S1)}$$

$$\text{Observed CCOD} = \frac{1}{0.96} \times \left(\frac{\Delta w}{w1 + w2 - \Delta w} \times \frac{128}{18} - 1 \right) \qquad \text{(Formula S2)}$$

$$\text{Deviation} = \frac{\text{Observed } C_{COD} - \text{Real } C_{COD}}{\text{Real } C_{COD}} \qquad \text{(Formula S3)}$$

Table S1. Thermal test of COD and COM mixtures.

Test	COD		COM		Mass deletion Δw (mg)	COD content (%)		Deviation (%)
	Mass w1 (mg)	Amount y (mmole)	Mass w2 (mg)	Amount x (mmole)		Real C_{COD}	Observed C_{COD}	
1	5.6	0.034	18.7	0.128	3.54	21.0	22.1	5.2
2	5.8	0.035	19.9	0.136	3.75	20.6	22.4	8.7
3	6.3	0.038	20.9	0.143	3.91	21.2	20.2	-4.6
4	6.3	0.038	19.2	0.132	3.7	22.6	21.6	-4.7
5	6.7	0.041	15.6	0.107	3.34	27.7	26.3	-4.8
6	8.6	0.052	15.8	0.108	3.78	32.6	31.6	-3.1
7	12.1	0.074	22.8	0.156	5.31	32.1	28.8	-10.4
8	13.2	0.080	20.4	0.140	5.38	36.5	37.1	1.4