

substance: V_2O_3

property: anomalies of transformation heat in Cr and Al doped material

(ΔH_{tr} in J mol⁻¹)

ΔH_{tr}	2000	$T = 176\text{ K}\uparrow$	1 at% Cr doped	76K
		$T = 165\text{ K}\downarrow$		
	160	$T = 335\text{ K}\uparrow$		
	330	$T = 266\text{ K}\downarrow$		
	2400	$T = 186\text{ K}\uparrow$	14 at% Cr doped	76K
		$T = 174\text{ K}\downarrow$		
	150	$T = 270\text{ K}\uparrow$		
		$T = 210\text{ K}\downarrow$		
	2000	$T = 174\text{ K}\uparrow$	1 at % Al doped	76K
		$T = 164\text{ K}\downarrow$		
	160...180	$T = 345...365\text{ K}\uparrow$		
	210 510	$T = 310\text{ K}\downarrow$		

References:

- 76K Keer, H. V., Dickerson, D. L., Kuwamoto, H., Barros, H. L. C., Honig, J. M.: J. Solid State Chem. 19 (1976) 95.