

Molar gas constant R 8,31451 J/(mol K)
Reference pressure p_ref 1,01325 bar
101325 Pa

Entropy		calculated indirect		calculated direct	
	i	s_i,molar (T_0, p_ref)	R * ln ((x'_i * p_0) / p_ref)	s_i,molar (T_0,x'_i*p0)	s_i,molar (T_0,x'_i*p0)
NITROGEN	N2	191,4803398	-1,95096426	193,431304	193,4354144
OXYGEN	O2	205,0215284	-16,082026	221,1035544	221,121594
CARBONDIOXIDE	CO2	120,4464149	-28,34286703	148,7892819	148,8827493
WATER	H2O(g)	6,615199962	-28,80664973	35,42184969	154,1503153
WATER	H2O(l)	6,615646905	-24,74487201	31,36051892	6,615646905

		s_molar	s_mass
		J/(mol K)	kJ/kg
MIXTURE		185,1399073	6,552304221

T	s_mass	s_mass (from Epsilon)	delta
10	6,394290171	6,6838545	-0,2895643
20	6,491074454	6,7806508	-0,2895764
25	6,552304221	6,8419044	-0,2896001
30	6,832591688	6,9149803	-0,0823886
40	6,86748187	7,1106946	-0,2432127
50	6,895243439	7,1847184	-0,2894750

Water needs correction: 1,00E-07

