

An analysis (1897) of coal from Sandfeldgaard gave the following result:

Carbon.....	46.9%
Hydrogen.....	3.6
Oxygen.....	20.0
Nitrogen.....	0.5
Sulphur.....	3.6
Ash.....	5.4
Water.....	20.0

From this the fuel-value was calculated to be 4,075 calories.

From the excavations made by the author at Sandfeldgaard in 1906 there is a series of analyses for the uppermost layer of coal (2.46 m. thick), made respectively by Engineer, cand. polyt. J. J. Tylvad and by Engineer, cand. polyt. Alf Stage. Samples I—VI are from the uppermost metre of coal in the section (I uppermost, VI lowermost); samples VII—XI from the under-lying gytje (VII: 1-1.20 m.; VIII: 1.20-1.45 m.; IX: 1.45-1.65 m.; X: 1.65-2.0 m.; XI: 2.0-2.46 m.).

ANALYSES BY MR. TYLVAD

Sample	Moisture	Ash	Sulphur	Hydrogen	Absolute Fuel-Value	Useful Fuel-Value
Lignite.	I..... 13.6%	21.7%	2.1%	....	3,730	3,400
	Do..... 13.7	23.3	....	4.4%	3,630	
	II..... 14.7	7.7	3.9	....	5,003	4,619
	Do..... 14.9	....	....	6.5	4,968	
	Do..... 15.02	8.02	....	6.2	4,970	
	III..... 13.9	7.8	3.9	6.6	5,190	4,746
	Do..... 14.3	....	3.9	....	5,203	
	IV..... 14.6	9.3	4.4	5.3	4,590	4,212
	Do..... 14.8	....	4.4	....	4,574	
	V..... 15.5	7.4	5.5	5.6	4,643	4,245
	Do..... 15.5	....	5.5	....	4,600	
	VI..... 13.3	33.3	1.8	....	2,753	2,465
Lignite gytje.	VII..... 9.5	48.3	0.64	....	2,324	2,102
	VIII..... 9.6	44.2	0.88	....	2,607	2,372
	IX..... 10.8	29.4	1.6	....	3,514	3,149
	Do..... 10.8	29.6	....	....	3,586	
	Do..... 11.1	28.8	....	5.5	3,512	3,149
	Do..... 11.2	....	1.6	....	3,572	
	X..... 12.7	26.3	1.4	5.5	3,835	3,457
	Do..... 13.0	....	1.1	....	3,730	
	XI..... 14.2	20.8	2.7	4.9	3,983	3,628
	Do..... 14.2	....	2.7	....	4,009	