

A

EMPA spot chemical analyses (LM-TX-24) Hoover Point, Texas (in wt. %)							
	gr.1-1	gr.1-2	gr.2-1	gr.2-2	gr.2-3	AVG	STDEV
SiO₂	49.8	49.5	50.4	50.3	49.9	50.0	0.38
Al₂O₃	3.79	4.64	4.02	3.97	4.26	4.1	0.33
Fe₂O₃*	27.3	25.7	27.4	27.5	27.1	27.0	0.72
MgO	4.26	4.03	4.10	4.07	4.08	4.1	0.09
CaO	0.19	0.20	0.14	0.15	0.13	0.2	0.03
K₂O	8.43	8.45	8.64	8.62	8.75	8.6	0.14
F	0.23	0.05	0.00	0.11	0.09	0.1	0.09
others	0.11	0.06	0.19	0.11	0.22	0.1	0.07
sum	94.1	92.6	94.9	94.8	94.5	94.2	0.92
Less O	0.11	0.03	0.01	0.06	0.04	0.0	0.04
Total	94.0	92.6	94.8	94.8	94.5	94.1	0.92

* Total iron reported as **Fe₂O₃**

B

Various published chemical analyses of glauconitic minerals			
	*	**	***
SiO₂	46.7	53.5	43.5
Al₂O₃	7.2	3.58	8.22
Fe₂O₃	22.7	24.3	28.8
FeO	1.1	3.37	0.96
MgO	3.4	3.78	2.92
CaO	1.4	-	0.14
K₂O	4.3	6.62	6.42
H₂O-			4.25
H₂O+			6.07
Total	98.8	95.2	102.4

*Average of eight analyses from the Gulf of Guinea (in wt.%) (Odin, 1988).

** Percent oxide in glauconitic minerals (in wt. %) (MinDat on line).

*** Glauconitic pellets Lower Cretaceous (in wt.%) (Bentor, et al., 1965).