

71-823.

805001

E.L. 10/71

Quartzite Analyses, Rocky Cape

By

Comalco 1971

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805002

E.2.10/71
COMALCO

Rocky Cape

SERIES "RC"

		Cr_2O_3	Fe_2O_3	Al_2O_3	TiO_2	CaO	MgO	Na_2O	LOI	SiO_2
RC	48	<.001	0.034	0.42	0.032	<.010	0.014	<.010	0.17	99.34
	49	<.001	0.021	0.60	0.022	<.010	0.024	<.010	0.23	99.10
	50	<.001	0.015	0.04	0.095	<.010	.010	0.01	0.08	99.76
	51	<.001	0.028	0.27	0.022	.010	0.015	<.010	0.19	99.47
	52	<.001	0.049	0.33	0.028	0.036	0.014	<.010	0.22	99.32
	53	<.001	0.028	0.46	0.022	.010	0.018	.010	0.15	99.32
	55	<.001	0.036	0.41	0.038	0.012	0.022	.010	0.18	99.30
			0.226	0.32	0.032	<.001	0.015	<.001	0.17	99.33

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Crook ss - 10' down -
" Sulfers ss - at 2' down (1600')

Some (sulfur) 3252.

(Sulfur)
magnes ch - $\frac{99.5}{99.4}$ $\frac{99.2}{99.57}$ SiO_2

Al_2O_3 0.13% Fe_2O_3 0.05%

Can ch - (Nashville bentonite) - proton & qtz, minor CaO
surface porosity due to impurities (at depth)

Can ch - (SHP) - SiO_2 99.7%, 98.9, 99.5, 99.6
suitable for ferro-silicon + silicon.

Manna Troy - 98.8 SiO_2 , 0.09 TiO_2 , 0.46 Fe_2O_3

" Sulfers Creek" - Average SiO_2 (4, 5, 9, 10, 11, 12, 13, 14, 17, 18, 20) (11)
Average 11 samples, (0-3 and 0-6 in)
= 98.8% SiO_2 , 0.29% Fe_2O_3 , 0.17% Al_2O_3

* This is average Jacobs White from magnes ch, Manna Troy + Ashland

JACOBS (Sulfers Hill) - SiO_2 99.04 - 99.66%, Al_2O_3 0.51%
DETENTION (Miltabena) - " 99.32 - 99.5, " 0.001%
DETENTION (Dip Age) - " 99.0 - 99.1, " 0.52 - 0.53

(Recent Analysis)

magnes ch	=	99.57% SiO_2	>	0.05% Fe_2O_3	JACOBS
Miltabena	=	(96.57% SiO_2)	,	0.07%	(DET.)
Sulfers Hill	=	98.38	,	0.13%	JACOBS
Dip Age no 1	=	(99.32	,	0.07	(DET.)
" " 2	=	(98.9	,	0.29	(DET.)
Manna Troy	=	99.17	,	0.46	JACOBS
Can ch	=	99.57	,	0.10	JACOBS

Ave JACOBS = 99.11% SiO_2 , 0.18% Fe_2O_3 , 0.11% TiO_2
Ave DET. = 98.26, 0.08%

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