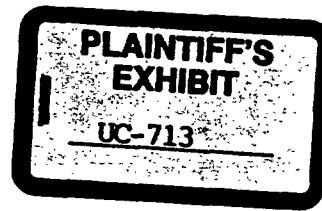


BC: B. L. Ingalls
File NB #2093-48, 49



Calidria ASBESTOS

UNION CARBIDE CORPORATION • MINING & METALS DIVISION • P.O. BOX 579 • NIAGARA FALLS, N. Y. 14302 • TEL: 716-276-3376

September 10, 1975

Re: Mexican Asbestos Sample

Mr. Ken Campbell
Montello, Inc.
P.O. Box 130
Sand Springs, OK 74063

Dear Ken:

This is in response to your request for comments on the source of the above noted sample. For easy reference the table from Blair's letter of August 26, 1975 is reproduced with the data for the new wetted Canadian Flosal written in. A prior summary of the various competitive materials is also attached.

The AEC Test and the 2 g/l wet bulk show clearly that this material is different from any of the Flosal products now or previously available. The 2 g/l wet bulk was so low that we rechecked and duplicated the results. The asbestos settles right out leaving a cloudy supernatant liquid that appears to contain lots of finely ground rock. The material is also coarser than the competitive products shown.

The long fibers present are typical of asbestos from Canada or from Canadian type cross fiber type deposits. The magnetite level, however, is on the low side for Canadian products. I would guess that this is a relatively poorly refined product from Canada or from a similar form of deposit in some other country, possibly Mexico. It is definitely not "new Flosal" or a sample left over from Coalinga.

Very truly yours,

A handwritten signature in cursive script, appearing to read "H. B. Rhodes".

H. B. Rhodes
Technology Manager

HBR:ep
Attachments

Fiscal 741 W...

	Montello		Super Visbestos		
	Asbestos Sample		Jan. 1975	Feb. 1975	Mar. 1975
Reflectance (%)	57.5	50.4	69.0	70.0	69.5
Magnetite (%)	3.67	5.2	1.65	1.68	1.94
Wet Bulk (ml) (2g/liter)	60	92.0	845	665	845
Dry Bulk (#/ft. ³)	15.4	44.0	27.9	26.7	26.7
Available Fiber (%)	95.9	98.2	57.1	49.8	53.9
Ultimate Fiber (%)	100.7	70.6	80.1	78.7	80.5
AEC (Fann Viscosity)					
AV	8.5	2.6	18.5	16.0	17.5
PV	6.0	1.8	3.0	3.0	3.0
YP	5.0	1.9	31.0	26.0	29.0
Dry Screen - % Cumulative					
+3	--		--	--	--
4	--		--	--	--
6	--		0.41	--	--
10	--		4.53	4.95	5.04
20	12.78		29.63	27.83	29.07
40	36.31		50.75	48.74	49.61
70	55.58		64.74	63.76	63.56
Tap Water Screen					
% +65	15.3	8.0	5.8	6.3	4.1
% +100	17.0	23.0	8.4	9.1	7.4
% +200	28.4	41.2	22.5	22.8	18.3
% +325	33.2	56.2	37.6	35.2	28.3
Dispersed Wet Screen					
% +65	13.2	6.9	3.7	4.9	6.1
% +100	12.2	9.8	6.9	7.9	8.8
% +200	38.3	24.3	16.4	18.8	21.7
% +325	43.7	34.9	25.5	28.6	35.7
	Long fiber PRESENT	Long fiber present			

ASBESTOS PRODUCTS FOR DRILLING FLUIDS -

COMPARISON OF PHYSICAL PROPERTIES

PROPERTY	SUPERVISBESTOS				VISBESTOS				OLD FLOSAI			NEW FLOSAI 8/73	ATLAS A2-20 8/71	ATLAS #1092 10/73	PACIFIC		FLOSAI 74
	1973 Q.C. Samples				1973 Q.C. Samples				Okla. 4/69						7EX2 7EX3 9/73 9/73		
	June	July	Aug.	Sept.	Feb.	March	June	Aug.	City	Wdwd.	Enfd.						
Reflectance (%)	70.0	70.0	70.5	71.0	67.0	67.5	67.5	69.0	72.0	71.0	70.0	68.0	70.5	58.0	61.0	50.4	
Magnitite (%)	2.0	1.6	1.4	1.5	1.9	1.8	1.6	1.4	3.0	3.1	3.6	2.0	1.2	5.1	5.0	5.2	
Dry Bulk (lb./ft. ³)	26.4	24.7	26.8	28.4	9.2	9.0	8.5	8.9	8.5	8.9	8.8	9.6	6.4	9.9	7.2	44.0	
Wet Bulk (10g./250 ml.)	-	-	-	-	186	162	167	165	100	201	99	86	111	183	233	92.0	
Wet Bulk (2g./L.)	820	675	800	520	365	320	400	465	195	200	-	185	245	250	455		
Wet Screen (Floc.)	7.0	6.9	6.1	8.9	12.6	8.5	14.1	9.2	44.3	52.5	38.5	35.3	19.2	16.2	29.4	8.0	
Cum. % +65	11.3	12.1	9.2	14.3	15.1	15.9	18.8	14.2	53.6	58.4	44.8	44.6	29.5	27.2	37.5	23.0	
" " +100	28.4	28.5	24.7	31.7	28.7	30.8	34.8	30.0	67.9	68.6	50.0	56.6	46.8	41.1	54.1	41.2	
" " +200	45.5	50.9	40.2	43.9	42.5	43.9	46.9	44.2	74.4	77.1	66.8	67.0	57.3	51.4	64.5	56.2	
" " +325																	
Wet Screen (01sp.)	5.6	6.0	5.0	5.8	6.4	5.3	9.0	4.2	13.1	18.3	13.6	4.1	2.2	14.3	26.4	6.9	
Cum. % +65	9.4	8.7	7.6	10.0	9.5	7.6	12.2	8.0	16.2	21.8	16.8	6.6	4.0	16.9	30.3	9.6	
" " +100	21.6	19.2	17.1	22.5	18.7	16.8	23.2	18.0	29.8	30.2	27.0	13.7	11.9	31.6	45.2	24.3	
" " +200	31.2	28.7	26.1	29.4	28.8	22.5	34.3	27.8	37.9	36.4	35.7	27.4	18.7	46.2	62.3	34.9	
" " +325																	
Available Fiber (%)	49.8	54.5	53.6	49.4	44.1	48.4	45.0	46.5	48.0	46.7	44.7	54.0	60.3	96.2	99.2	90.2	
Ultimate Fiber (%)	93.4	92.2	79.1	80.5	80.1	83.0	85.6	79.2	77.2	80.2	71.5	72.0	84.6	67.7	95.1	70.6	

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- 1.) Last material from Coolidge.
- 2.) New Canadian material.

H. B. Rhodes
11/27/73