Johnson & Johnson
BABY PRODUCTS COMPANY

RARITAN, N.J. 08869

February 7, 1977

SUBJECT: Quartz/Talc
File 0503.01

TO: G. Lee

A while ago I asked the Colorado staff to take a look at the possibility of measuring the quartz content of talc by adopting the density gradient method we have been developing for trace minerals in talc mineral matrices.

It turns out that the density gradient method is applicable and the method will also read small amounts which are below the DTA or normal x-ray system, which did not give much reliability below about 1% and certainly not below 0.5%.

As an experiment, I had a batch of Italian talc tested to find about 1% quartz content. That is excellent agreement with previous findings on Italian talc which we have found to run from sub-trace to 1%. We also now find that the method sees 6-9 ppm in a batch of V-66 (coded 3-16-76) whereas our former methods failed to detect any at all under normal circumstances.

Thus it appears that we have a new sensitive method for small quartz content assay if we have to resort to it in the future.

W. H. Ashton

/by
cc: R. Russell

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