

Barytes or sulphate of barium often called Heavy Spar is a much cheaper substance than either lead or zinc pigments. It is much used as a filler in white paint and cannot be regarded as an adulterant if the fact of its presence is declared on the label. Thirty-five (35) samples are found to consist chiefly of barytes so far as the pigment is concerned. Fourteen (14) others contain large amounts of barytes in admixture with more or less lead or zinc. All these samples may be regarded as questionable since the presence of the cheaper articles is not declared on the label, nor indicated in any way to the purchaser.

The following statement recapitulates what I have said:—

Pigment essentially white lead. . . . .	28	samples.
“ “ oxide or sulphide of zinc. . . . .	30	“
“ mixtures of lead and zinc. . . . .	9	“
“ lead and zinc with barytes. . . . .	14	“
“ chiefly barytes. . . . .	35	“
Total. . . . .	116	“

Inasmuch as we have no legal standard for white paint I cannot ascribe adulteration in a legal sense to any of these samples; but the work now put on record will be of use to the public in making known the character of white paint as offered in the Canadian Market.

I beg to recommend publication of this report as Bulletin No. 301.

I beg to remain, Sir,

Your obedient servant,

A. MCGILL,  
*Chief Analyst.*