

Compositions of Gunshot Residue Particles

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<p><u>UNIQUE:</u></p> <ul style="list-style-type: none"> · Pb, Sb, Ba · Ba, Ca, Si, WITH TRACE S · Ba, Ca, Si, WITH TRACE Pb, if Cu, Zn absent *** · Sb, Ba 	<p><u>CHARACTERISTIC (especially if spheroidal) BUT NOT UNIQUE:</u></p> <ul style="list-style-type: none"> · Pb, Sb · Pb, Ba · Pb if Fe, P absent · Ba if S absent or trace only* · Sb (rare)
<p>ANY OF THE ABOVE MAY ALSO CONTAIN <u>ONLY</u> THE FOLLOWING ELEMENTS (if not excluded in statements above):</p> <ul style="list-style-type: none"> · Si, Ca, Al, Cu, Fe, S, P (rare), Zn (only with Cu), Ni (rare, only with Cu, Zn), K, Cl. · The presence of any other element usually indicates non-gunshot origin. 	
<p>*Larger amounts of S with Ba suggest non-gunshot origin **Sn possible in obsolete ammunition ***With Cu, Zn, found in studgun residue</p>	