

① Trines & Tech. Summary Report Jan. 1961

metallic face-centered cubic compound with unit-cell dimensions $a = 3.62 \text{ \AA}$ (approx.)

X-ray diffraction & spectrographic analyses done.

- had been subjected to high temperatures

- was very weakly ferromagnetic.

corresponds to a gamma-iron solid solution as found in austenitic steel (austenite), e.g., nickel-bearing and manganese-bearing types, and to meteoric iron (taenite)

trace constituents: quartz and calcite & are common extraneous materials.
insufficient nickel present to be of meteoric origin.

② CARDF (according to Topside, No. 20, Spring 1966).

X-ray diffraction analysis

metallic face-centered cubic compound with a unit-cell dimension agreeing with those of 1) austenitic steel and 2) meteoric iron.

spectrographic analysis - insufficient nickel present for it to be of meteoric origin.

the amount of manganese suggests it is a high-manganese austenitic steel.

very weak ferro-magnetic nature

trace amounts of ~~quartz~~ quartz & calcite (X-ray diffraction) (and are common extraneous materials)

(in fact used for word same as spent #1 above) !!