

^{251}Cf

The 1954 discovery of ^{251}Cf was reported in “Identification of californium isotopes 249, 250, 251, and 252 from pile-irradiated plutonium” by Diamond et al. from Argonne National Laboratory ([1954Di11](#)). Plutonium was irradiated with neutrons in the Idaho Materials Testing Reactor. ^{251}Cf was identified with a 12-inch, 60° mass spectrometer following chemical separation. “Californium isotopes of mass numbers 249, 250, 251, and 252 were detected in mole percentages given in column 1 of [the table].”

Adapted from reference ([2013Fr02](#))

[1954Di11](#) H. Diamond, L. B. Magnusson, J. F. Mech, C. M. Stevens *et al.*, Phys. Rev. **94**, 1083 (1954).

[2013Fr02](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 96 (2013).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”