

## <sup>255</sup>Cf

In 1981, Lougheed et al. reported the observation of <sup>255</sup>Cf in “Two new isotopes with N = 157: <sup>256</sup>Es and <sup>255</sup>Cf” (1981Lo15). A <sup>254</sup>Cf sample from the Hutch underground nuclear explosion was irradiated with neutrons in the General Electric Vallecitos Test Reactor. Alpha-particle spectra were measured following chemical separation. “For <sup>255</sup>Cf, we determined a half-life of 85±18 (2σ) min from the weighted average of the two experiments.”

Adapted from reference (2013Fr02)

1981Lo15 R. W. Lougheed, E. K. Hulet, J. F. Wild, B. J. Qualheim *et al.*, *J. Inorg. Nucl. Chem.* **43**, 2239 (1981).

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”