radiation dosage measuring device for measuring a dosage of predetermined radiation other than neutron radiation; and a shield portion surrounding the housing portion and including at least a LiF sintered body, the LiF sintered body transmitting the predetermined radiation to be measured with the radiation dosage measuring device, but blocking neutron radiation, characterized in that the LiF sintered body is a ^{6}LiF sintered body including ^{6}LiF and has a relative density thereof, obtained by dividing the density of the sintered body by the theoretical density equal to 2.64 g/cm^{3} of LiF, of 83% or more to 90% or less, and in that the radiation dosage measuring device is for measuring a dosage of predetermined radiation other than neutron radiation.

[0014]

(2) An embodiment of the present disclosure is the dosimeter container according to the first embodiment, in which the LiF sintered body is a ^{6}LiF sintered body.

[0015]

(3) An embodiment of the present disclosure is the dosimeter container according to the second embodiment, in which the ^{6}LiF sintered body includes ^{6}LiF, and has a relative density of 83% or more to 90% or less, and has a good appearance with the occurrence of cracks and/or blisters being reduced on an outer surface.

[0016]

(4) An embodiment of the present disclosure is the dosimeter container according to any one of the first to third

embodiments, in which the predetermined radiation is gamma radiation.

[0017]

(5) An embodiment of the present disclosure is the dosimeter container according to any one of the

CLAIMS

1. A dosimeter container comprising: a housing portion for housing a radiation dosage measuring device for measuring a dosage of predetermined radiation other than neutron radiation; and

a shield portion surrounding the housing portion and including at least a LiF sintered body, the LiF sintered body transmitting the predetermined radiation to be measured with the radiation dosage measuring device but blocking neutron radiation, characterized in that the LiF sintered body is a ^{6}LiF sintered body including ^{6}LiF and has a relative density thereof, obtained by dividing the density of the sintered body by the theoretical density equal to 2.64 g/cm^{3} of LiF, of 83% or more to 90% or less, and

in that the radiation dosage measuring device is for measuring a dosage of predetermined radiation other than neutron radiation.

2. The dosimeter container according to claim 1 , wherein the predetermined radiation is gamma radiation.

3. The dosimeter container according to any one of claims 1 or 2, wherein the shield portion includes at least two or more shield portion components, and adjacent shield portion components of the at least two or more shield portion components that have mutually abuttable structures.

4. The dosimeter container according to claim 3, wherein the adjacent shield portion components have mutually fittable structures.

5. The dosimeter container according to claim 3 or 4, wherein the housing portion has a size substantially the same as or larger than the size of the radiation dosage measuring device, and

the housing portion extends withinthe entirety of the shield portion components.

6. The dosimeter container according to any one of claims 3 to 5, wherein both end portions of the shield portion components are curved with a radius as viewed in a cross-section at the corners of the end portions of the housing portion and have curvatures designed according to the thicknesses of the shield portion components, so that the shortest distance from an inner surface of the housing portion to outer surfaces of the shield portion components is constant.

7. A dosage measuring body, comprising a dosimeter container according to any one of claim 1 to 6, characterized in that the housing portion houses the radiation dosage measuring device for measuring the dosage of predetermined radiation other than neutron radiation.