CLAIMS

1. A quartz glass crucible comprising a bottom portion, a curved portion, and a straight body portion, wherein

the quartz glass crucible comprises an outer layer comprising opaque quartz glass containing bubbles therein, and an inner layer comprising transparent quartz glass,

the outer layer comprises a plurality of layers in at least a part of the straight body portion,

out of the plurality of layers, at least one layer is an easily devitrifiable layer having a devitrification spot number of $50/cm^3$ or more and $70/cm^3$ or less when the quartz glass crucible is heated at 1600°C for 24 hours, and

out of the plurality of layers, a layer positioned inwards of the easily devitrifiable layer in a thickness direction of the quartz glass crucible is a low devitrification layer having a devitrification spot number of $2/cm^3$ or less when the quartz glass crucible is heated at 1600°C for 24 hours.

2. The quartz glass crucible according to claim 1, wherein the outer layer comprising the plurality of layers comprises, as a layer other than the easily devitrifiable layer and the low devitrification layer, an intermediate devitrification layer having a devitrification spot number of more than $2/cm^3$ and $10/cm^3$ or less when the quartz glass crucible is heated at 1600°C for 24 hours.

3. The quartz glass crucible according to claim 1 or 2, wherein out of the plurality of layers of the outer layer, an outermost layer is the easily devitrifiable layer.

4. The quartz glass crucible according to any one of

claims 1 to 3, wherein the outer layer comprises natural quartz glass, and the inner layer comprises synthetic quartz glass.

5. The quartz glass crucible according to any one of claims 1 to 4, wherein

the easily devitrifiable layer has a thickness of 5% or more of a thickness of the quartz glass crucible, and

the low devitrification layer has a thickness of 20% or more and 70% or less of the thickness of the quartz glass crucible.

6. The quartz glass crucible according to any one of claims 1 to 5, wherein

in all layers in the outer layer, a devitrification spot number is 70/cm^3 or less when the quartz glass crucible is heated at 1600°C for 24 hours.