

ABSTRACT

[Problem] A quartz glass crucible for pulling a silicon single crystal, which is resistant to deformation at high temperatures during a crystal pulling step and can withstand a long-duration pulling, and a manufacturing method thereof are provided.

[Solution] A quartz glass crucible 1 has, from an inner surface side toward an outer surface side of the crucible, an inner transparent layer 11, a bubble layer 13, an outer transparent layer 15, and a crystallization accelerator-containing layer 16. An outer transition layer 14 where a bubble content decreases from the bubble layer 13 toward the outer transparent layer 15 is provided at a boundary between the bubble layer 13 and the outer transparent layer 15, and a thickness of the outer transition layer 14 is 0.1 mm or more and 8 mm or less.