

ABSTRACT

[Problem] A quartz glass crucible capable of preventing the peeling of the coating film of the crystallization accelerator and maintaining the in-plane distribution of the concentration of the crystallization accelerator as uniform as possible, a manufacturing method of the quartz glass crucible, and a manufacturing method of a silicon single crystal are provided.

[Solution] A quartz glass crucible 1 according to the present invention includes a crucible base body 10 consisting of silica glass and a coating film 13 containing a crystallization accelerator and formed on the inner surface 10i of the crucible base body 10. The coating film 13 has a peel strength of 0.3 kN/m or more.