METHOD OF PRODUCING QUARTZ GLASS JIG AND QUARTZ GLASS JIG

Abstract

Provided is a method of producing a quartz glass jig including forming irregularities without microcracks through chemical liquid treatment, to thereby produce even a large quartz glass jig having an irregular finished surface on a surface thereof, the irregular finished surface having excellent uniformity without conspicuous unevenness, and the quartz glass jig. There is provided a method of producing a quartz glass jig in which irregularities are formed on a surface through chemical liquid treatment, the method including: an adhering substance removal step of removing an adhering substance on a smooth quartz glass surface; and a finished surface-forming chemical liquid treatment step of subjecting the quartz glass surface from which the adhering substance has been removed to the chemical liquid treatment to form irregularities thereon, to thereby form an irregular finished surface. A standard deviation of surface roughnesses Ra of the irregular finished surface measured at 10 or more points is 1.00 μm or less.

Figure 1