

ABSTRACT

This invention provides a magnetic disk which can satisfactorily suppress the elution of internal components from an end face of a magnetic disk, and corrosion damage. The magnetic disk comprises a disk substrate, and a thin film including a magnetic layer, a carbon-based protective layer, and a lubricating layer provided in that order on the disk substrate. The main surface and the end face of the magnetic disk are covered with the carbonaceous protective layer. The carbon-based protective layer contains nitrogen at a part adjacent to the lubricating layer. The content of nitrogen atoms relative to the content of carbon atoms in the protective layer formed on the end face is equal to or more than the content of nitrogen atoms relative to the content of carbon atoms in the protective layer formed on the main surface.