CLAIMS

CLAIM 1

A near-infrared reflective black pigment comprising at least a calcium element, a titanium element, a manganese element, and a bismuth element and having a perovskite phase as a main phase.

CLAIM 2

The near-infrared reflective black pigment according to claim 1, wherein an atomic ratio ([Bi]/([Ti]+[Mn])) is 0.02 or less when the atomic ratio is expressed as the ratio of an atomic content of the bismuth element ([Bi]) to a sum of an atomic content of the titanium element ([Ti]) and an atomic content of the manganese element ([Mn]).

CLAIM 3

The near-infrared reflective black pigment according to claim 1 or 2, comprising at least the calcium element, the titanium element, the manganese element, the bismuth element, and an aluminum element and having the perovskite phase as the main phase.

CLAIM 4

The near-infrared reflective black pigment according to claim 3, wherein an atomic ratio ([Al]/([Ti]+[Mn])) is 0.1 or less when the atomic ratio is expressed as the ratio of an atomic content of the aluminum element ([Al]) to a sum of an atomic content of the titanium element ([Ti]) and an atomic content of the manganese element ([Mn]).

CLAIM 5

The near-infrared reflective black pigment according to any one of claims 1 to 4, having a BET specific surface area of 1.0 m^2/g or more and less than 3.0 m^2/g.

CLAIM 6

A method for producing a near-infrared reflective black pigment having a perovskite phase as a main phase, comprising mixing at least a calcium compound, a titanium compound, a manganese compound, and a bismuth compound by a wet milling method, followed by calcining the mixture at a temperature higher than 1100°C.

CLAIM 7

The method for producing a near-infrared reflective black pigment according to claim 6, including mixing at least the calcium compound, the titanium compound, the manganese compound, the bismuth compound, and an aluminum compound by the wet milling method, followed by calcining the mixture.

CLAIM 8

The method for producing a near-infrared reflective black pigment according to claim 7, wherein an atomic ratio ([Al]/([Ti]+[Mn])) is 0.1 or less when the atomic ratio is expressed as the ratio of an atomic content of the aluminum element ([Al]) to a sum of an atomic content of the titanium element ([Ti]) and an atomic content of the manganese element ([Mn]) in the near-infrared reflective black pigment.

CLAIM 9

The method for producing a near-infrared reflective black pigment according to claim 6 or 7, wherein an atomic ratio ([Bi]/([Ti]+[Mn])) is 0.02 or less when the atomic ratio is expressed as the ratio of an atomic content of the bismuth element ([Bi]) to a sum of an atomic content of the titanium element ([Ti]) and an atomic content of the manganese element ([Mn]) in the near-infrared reflective black pigment.