CLAIMS

1. A shiitake strain *Lentinula edodes* (Berk.) Pegler GNA01 (accession No: KCCM11135P).

2. A mushroom produced from shiitake strain *Lentinula edodes* (Berk.) Pegler GNA01 (accession No: KCCM11135P).

3. The mushroom of claim 2, wherein the fruit body is spherical in shape with neither pilei nor stipes differentiating.

4. The mushroom of claim 2, wherein the fruit body tastes sweet.

5. The mushroom of claim 2, wherein the fruit body exhibits a white blooming appearance on its surface.

6. The mushroom of claim 2, wherein the fruit body is asporogenous.

7. The mushroom of claim 6, wherein the fruit body is propagated by tissue dissociation of a part thereof.

8. A spore obtained from the mushroom of claim 2.

9. A mushroom culture of the shiitake strain *Lentinula edodes* (Berk.) Pegler GNA01 (accession No: KCCM11135P) of claim 1.

10. An inoculum comprising the mushroom culture of claim 1.

CLAIMS

1. A novel shiitake strain *Lentinula edodes* (Berk.) Pegler GNA01 (accession No: KCCM11135P).

2. A fruit body of shiitake mushrooms produced from the strain of claim 1.

3. The fruit body of shiitake mushrooms of claim 2, wherein the fruit body is spherical in shape with neither pilei nor stipes differentiating.

4. The fruit body of shiitake mushrooms of claim 2, wherein the fruit body tastes sweet.

5. The fruit body of shiitake mushrooms of claim 2, wherein the fruit body exhibits a white blooming appearance on its surface.

6. The fruit body of shiitake mushrooms of claim 2, wherein the fruit body is asporogenous.

7. The fruit body of shiitake mushrooms of claim 6, wherein the fruit body is propagated by tissue dissociation of a part thereof.