CLAIMS

1. A method for producing calcium sulphate hemihydrate powder comprising the steps of
    a. treating calcium sulphate dihydrate in a closed cabinet with controlled temperature, air circulation in the cabinet and an adjustable air outflow from the cabinet;
    b. adjusting the temperature to from above 100 to 220°C;
    c. allowing for a process time of 1 - 12 hours; and
    d. adjusting the moist air outflow from the cabinet to 0.2 – 1.5 L/s.

2. A method according to claim 1, wherein the temperature in step b is 150 - 220°C.

3. A method according to claim 1 or 2, wherein the temperature in step b is 180 - 210°C.

4. A method according to anyone of the preceeding claims, wherein the temperature in step b is 185 - 205°C.

5. A method according to anyone of the preceeding claims, wherein the temperature in step b is 190 - 203°C.

6. A method according to anyone of the preceeding claims, wherein the temperature in step b is 200°C.

7. A method according to anyone of the preceeding claims, wherein the time in step c is 2-8 hours.

8. A method according to anyone of the preceeding claims, wherein the time in step c is 3-5 hours.

9. A method according to anyone of the preceeding claims, wherein the time in step c is 3.5 – 4.5 hours.

10. A method according to anyone of the preceeding claims, wherein the outlet in step d is 0.25 – 1 L/s.

11. A method according to anyone of the preceeding claims, wherein the outlet in step d is 0.25 - 0.8 L/s.

12. A method according to anyone of the preceeding claims, wherein the outlet in step d is 0.3 - 0.7 L/s.

13. A method according to anyone of the preceeding claims, wherein the outlet in step d is 0.4 - 0.6 L/s.