

# Taian Green Industry Co., Ltd.

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## TECHNICAL DATA SHEETS

1. Product name: Casein
2. CAS No.: 9000-71-9
3. MF: C<sub>8</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>9P
4. MW: 2061.96
5. Technical specifications

| Item              | Specifications                                 | Results  |
|-------------------|--|----------|
| Appearance        | Pale yellow powder                             | Conforms |
| Assay             | ≥92%   | 93.6%    |
| Moisture          | ≤12%   | 10.5%    |
| Ash               | ≤2%  | 1.6%     |
| Total plate count | ≤30000/g                                       | Conforms |
| Conclusion        | The results conforms with enterprise standards |          |

### 6. Usage

Casein is mainly used as a binder for coatings, binders for wood, paper and cloth, and additives for food. As the base material of the coating, Casein accounts for about half of the total consumption, has excellent water resistance, can be well dispersed in the pigment, and improves the uniformity of the coating. In addition, because of its good fluidity and ease of painting, the rennet protein is mainly used to make plastic buttons. Compared with other resin buttons, casein buttons have good dyeability, processability and color vividness, and the quality is centered in the button. Casein is uniformly mixed with slaked lime, sodium fluoride and copper sulfate, and then blended with kerosene to obtain casein glue, which is a kind of glue used by the aviation industry and wood processing department. Casein is also used in pharmaceutical and biochemical reagents. Also used for cheese, ice cream, the amount of 0.3% to 0.7%, meat products (ham, sausage) 1% to 3% and aquatic meat products, 5% protein for bread and biscuits; 3% mayonnaise.

### 7. Package

25kg/drum