



上海威鹏化工有限公司

WPA Chemicals LIMITED

## Technical Data Sheet

### Calcium Stearate

**Name:** Calcium stearate

**CAS NO.** 1592-23-0

**Molecular formula:**  $\text{Ca}[\text{CH}_3(\text{CH}_2)_{16}\text{COO}]_2$

**Characters:** Calcium stearate is kind of fine white powder with greasy touch sense, soluble in hot water, methylbenzene, ethanol and other organic solvents, innoxious, slowly decomposes into stearic acid and calcium salts when it is heated to 400°C.

#### Applications

Calcium stearate is widely applied in food, medicine, cosmetic, plastic, rubber fields, mainly function as lubricant, emulsifier, stabilizer, releasing agent, accelerant etc. It can boost the freezing rate in hard plastic product. Also it is applied in the innoxious soft film, such as food packing and medicine apparatus, can effectively improve film's stability. It is stabilizer & lubricant in PVC and PE. It is halogen adsorbent in PE and PP, can eliminate the poor effect on resin's color and stability because of catalyst remains. Besides it is widely used to improve plastic's thermostability, better plastic's air-conductivity, in future it will replace noxious stabilizer with same functions.

#### Specification

Test items	Specification
Appearance	fine light white powder
Assay of Ca	6.5±0.6%
Free acid	≤0.5%
Loss on drying	≤3.0%
Melting point	140~158°C
Particle size	≥99% through 325 mesh

**Package:** paper bag,      **net weight:**20kgs      **gross weight:**20.2kgs

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