

- 1 **4220 Determination of Ash for Rubber Closures**
- 2 This method applies to the determination of ash in rubber closures as parts of various
3 pharmaceutical packaging system.
- 4 Take an appropriate amount of the test sample, cut into pieces of no more than 5 mm x 5 mm x 5
5 mm in size, take 1.0 g or proper weight into a crucible burned into constant weight previously,
6 weigh accurately, slowly burn to complete carbonization (prevent the sample from producing open
7 flame during the test), let cool; ignite at $800\text{ }^{\circ}\text{C} \pm 25\text{ }^{\circ}\text{C}$ for 2 hours, transfer to a desiccator, let
8 cool, weigh accurately, and calculate the percentage content of ash based on the residue weight
9 and the sample weight.

Drafted by: Sichuan Institute for Drug Control (Sichuan Medical Device Testing Center) Contact
number: 028-64020264

Participants: Shanghai Food and Drug Packaging Materials Testing Institute, Jiangsu Best New
Medical Material Co., Ltd., Shandong Institute of Medical Device and Drug Packaging Inspection,
China Pharmaceutical Packaging Association, Jiangyin Haihua Rubber & Plastic Co., Ltd.