

## Our Superclean Method



### Washing method process

Raw down / feather Weight: 100kg

Because each lot of raw materials is different, our cleaning techniques are designed individually to maximize its inherent qualities with great precision and care.

- ◇ Step 1) **Wash**: with DEHA German make detergent, (acknowledged best brand in the world and most expensive) **Temp** 45–60 degree **Time** 30–45 Min
- ⇒ Step 2) **Rinse**: wash with cold water 5 minutes each time for 5 to 10 times till cleanness reach 800 degrees.  
Use detergent 0.3%–0.5% of the feather/down' s weight and rinse for 5 minutes.
- ⇒ Step 3) **Centrifugal dewatering**: dehydrate washed feather/down
- ⇒ Step 4) **Dry / Sterilize** : **Temp** 98–123 degree **Time** 20–30 Min
- ⇒ Step 5) **Cool/ Dedust**: The drying and sterilizing process produces fiber and dust, so we dedust to maintain the cleanness and purity of high quality feathers and down. **Temp** room **Time** 8 Min



- ⇒ Step 6) **Lab Test**: 24 hours later
  - a) water cleanness
  - b) smell
  - c) down mixture
  - d) particles
  - e) filling power
  - f) oxygen number
- ⇒ Step 7) **Up the purity**: blow feathers and down in a special feather separation machine to reduce possible small mixed objects. The wastage is around 1%–2%. We take this step so the quality of our feathers and down is double guaranteed.
- ⇒ Step 8) **Mixture**: mix to a certain percentage by customer' s needs.
- ⇒ Step 9) **Metal reduction**: use special equipment to pick out the metal mixed in down and feathers. The wastage is around 1%–3%.

We take this step to ensure your safety and comfort with our bedding products.



Step 10) **Final dedust**: dedust the mixed feathers and down again after every parameter is up to the standard.

**WARRANT**: If any parameter fails +/- 5%, some steps of the process will be redone.

**Oxygen number**: below 5

**Cleanness**: 400-1000

**Detained organic rate**: below 1%

**Particles**: below 0.5%