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BQC00025 - Understanding Crystallization and the Boveda Pack

Objective: Understanding the physical feel of Boveda and how to tell when it expires and needs to be replaced.

Why does my Boveda feel hard in spots (like in corners)?

Boveda technology is based on creating a saturated salt solution that results in a stable relative humidity as the product gains or loses water vapor. Because it is a saturated salt solution, changes in temperature or other conditions can create recrystallization of the salts. This can feel like regular table salt or occasionally like coarse sea salt. This typically happens along the edges or corners of the pouches. Sometimes, this can happen in other random areas of the pouch. This is normal and a natural part of the life cycle of the Boveda. This will not impact performance.

My Boveda feels like thick jelly or dense clay. What does that mean?

Every formula that is manufactured contains a food safe thickener. These formulas have a range of thicknesses depending on the amount of thickener that was added. Occasionally, the formulas can become thicker over time. This is also normal and does not mean that the performance of the Boveda has been affected.

Sometimes this change in thickness happens because of a temperature drop, either in shipping or in storage. The performance is not impacted as the Boveda warms up to ambient temperatures.

My Boveda feels rock hard. Does this mean it's expired and needs to be replaced?

If the Boveda feels rock hard all the way through (and not just in the corners or in spots), then it's likely expired *as long as the Boveda is at room temperature*.

If your Boveda is cold and feels rock hard, let it warm up to room temperature. If it feels like thick jelly or dense clay after it has warmed up, then the Boveda should perform as expected.



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1.0 Document History

Revision	Version Date	Description of changes	Author name
A	2/7/2022	Initial Release	John Nguyen