



## METAL DETECTOR TESTING POLICY

Metal detection is the critical control point in the HACCP for Patterson Nut Company, Inc. Accordingly, it needs to be supported by a quality metal detector testing policy.

The critical control point test is that the metal detector is on and functioning properly. Proper function is verified by a sample test.

Our metal detectors will be tested four times per day when Patterson Nut Company, Inc. is packing walnuts. Testing times shall be at the start of the shift (typically 7:00 a.m.), at return of 1<sup>st</sup> break (typically 9:00 a.m.), immediately following the lunch break (typically 12:00 a.m.), and immediately following the 2<sup>nd</sup> break (typically 2:00p.m.).

Each metal detector will be tested with a 2.5 mm piece of ferrous metal, a 3.0 mm non-ferrous piece of metal, and a 3.5 mm piece of stainless steel. Each test piece will be run separately.

The results of each such test will be documented contemporaneously. The testing records will be kept and delivered to the Quality Control Department and reviewed by a Quality Control Supervisor no less frequently than once per week.

### I. If Metal Detector Fails Its Test.

If a test of the metal detector shows that the metal detector is not on or is not functioning properly, it shall be the policy of Patterson Nut Company, Inc. to take the following actions:

- A. The Packing Supervisor will place all product produced since the last successful test of the metal detector on hold.
- B. The Packing Supervisor will stop production on the line with the metal detector that failed its test.
- C. The Packing Supervisor will contact maintenance to repair or restore the function of the metal detector. If maintenance is unable to restore the metal detector to proper function, a qualified outside professional will be called to come out to the plant to repair the metal detector.
- D. Test samples will be run through the metal detector to ensure that it is functioning properly.

E. The Packing Supervisor will re-run the product which was placed on hold through a properly functioning metal detector.

F. Once the product which had been placed on hold is cleared through a properly functioning metal detector, the hold will be removed, and the product will be returned to production.

## II. If Metal Detector Shows Presence of Metal.

If the metal detector shows the presence of metal in the product, it is the policy of Patterson Nut Company, Inc., to take the following actions:

A. The affected product shall be diverted and placed on hold by the Packing Supervisor.

B. The product shall be sent to Quality Control.

C. The product shall be inspected until the metal is located and removed.

D. The metal located and removed shall be remanded to the Maintenance Department for evaluation and resolution. The metal shall be returned to the Quality Control Department for safekeeping. The metal shall be kept by Quality Control for one year.

E. The affected product will then be re-run through metal detection. It will be passed through a secondary detector to insure complete elimination of metal.

F. If the product passes through metal detection without showing the presence of any metal, the product hold shall be released, and the product shall be returned to production.