

Screening and Metal Detection of Sugar Products

All sugar products of National Sugar Marketing (“NSM”) are screened prior to bulk loading or packaging. As the sugar is drawn from storage and conditioning it passes over a 10 - 12 mesh screen to remove any lumps that may have formed in storage. The nominal opening of these screens is around 2 mm.

All domestically manufactured sugar also passes through at least one metal detector and rare earth magnet. The sensitivity of the metal detectors is verified using 1.5 mm ferrous, 1.8 mm non-ferrous, 2.0 mm stainless steel, and 2.0 mm aluminum test standards. Metal detectors are equipped with automatic rejection devices. The rejected material is then examined to determine type and source of contaminate.

Granulated sugar may also be converted into liquid sucrose. The liquid sucrose is filtered immediately before transferring into a bulk container. The filters are 100 microns or finer.

Cane sugar marketed by NSM is sourced from facilities with verified metal detection and screening devices. Verification includes a review of GFSI third-party audit reports provided by the mills. Please note that detection verification standards do not align with those listed above and are subject to the discretion of the mill/region; however, all sphere employed will be smaller than the FDA-defined limits per Section 555.425-Foods-Adulteration Involving Hard or Sharp Foreign Objects.

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