



Requirements for Sample Size

Many laws and regulations relating to the presence of GMO ingredients demand a GMO content of less than 0.1% (i.e., less than one GMO bean/kernel in 1,000).

In products where the GMO content approaches this threshold (taking beans/kernels as an example), a small sample of 100 beans/kernels offers only a 9.5% chance of including even a single GMO bean/kernel, and a 1,000 bean/kernel sample only has a 63% chance of including a GMO bean/kernel.

As a result, TFSL / Hai Kang requests sample sizes of at least 10,000 beans/kernels, so that a 0.1% GMO content threshold will provide a chance of inclusion and detection greater than 99.99%.

<u>Product</u>	<u>For Qualitative Testing (QL) Minimum Sample Size (Net weight)</u>	<u>For Quantitative Testing (QT) Minimum Sample Size (Net weight)</u>
A. Soy or soy derived products		
<input type="checkbox"/> Soybeans	500g	2.0kg
<input type="checkbox"/> Soy cotyledons	500g	500g
<input type="checkbox"/> Soy flakes (fatted and defatted)	500g	500g
<input type="checkbox"/> Soy milk (lyophilized)	500g	500g
<input type="checkbox"/> Soy milk (liquid)	500ml	500ml
<input type="checkbox"/> Soy cream (lyophilized)	500g	500g
<input type="checkbox"/> Soy cream (liquid)	500ml	500ml
<input type="checkbox"/> Soy protein isolate	500g	500g
<input type="checkbox"/> Soy protein concentrate	500g	500g
<input type="checkbox"/> Soy sauce	500ml	500ml
<input type="checkbox"/> Tofu/ Bean curd jelly	500g	500g
<input type="checkbox"/> Canned soybeans	500g	500g
B. Corn or corn derived products		
<input type="checkbox"/> Corn seed	1.0kg	3kg
<input type="checkbox"/> Sweet corn	1.0kg	3kg
<input type="checkbox"/> Corn chips	500g	500g
<input type="checkbox"/> Corn flakes	500g	500g
<input type="checkbox"/> Corn pasta	500g	500g
<input type="checkbox"/> Corn soup	500ml	500ml
<input type="checkbox"/> Canned whole kernel corn	500g	500g
<input type="checkbox"/> Corn-contained biscuits/ bread	500g	500g
C. Tomato or containing tomato		
<input type="checkbox"/> Fresh tomato	1.0kg	1.0kg
<input type="checkbox"/> Ketchup	500ml	500ml
<input type="checkbox"/> Tomato paste	500ml	500ml
<input type="checkbox"/> Canned whole/ stewed/ diced tomato	500g	500g
<input type="checkbox"/> Tomato soup	500ml	500ml
<input type="checkbox"/> Tomato juice	500ml	500ml
<input type="checkbox"/> Tomato-contained biscuits/ bread	500g	500g
D. Potato or containing potato		
<input type="checkbox"/> Fresh potato	1.0kg	1.0kg
<input type="checkbox"/> Canned whole/ stewed/ diced potato	500g	500g
<input type="checkbox"/> Potato chips	500g	500g
<input type="checkbox"/> Potato-contained biscuits/ bread	500g	500g
E. Others		
<input type="checkbox"/> Beer	500ml	500ml
<input type="checkbox"/> Biscuits/ bread	500g	500g
<input type="checkbox"/> Sauce or seasoning	500ml	500ml
<input type="checkbox"/> Tobacco (fresh/ processed)	500g	500g
<input type="checkbox"/> Vegetables	500g	500g
<input type="checkbox"/> Oil	800ml	1200ml

For unlisted products, please contact TFSL / Hai Kang at (852) 2111 2123.

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