



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Enumeration of Bacillaceae- Probiotics

Method Number: LI-00.791

Scope of Application: This LI can be applied for enumeration of *Bacillaceae* in the following food items: culture powder, preblends, and performance nutrition (nutritional powders and gummies).

Description: This is a quantitative method to determine the amount of *Bacillaceae* genus organisms that are present in nutrition and nutraceuticals samples.

Sample Weight Required: 50 g

Analytical Platform: Cultural Method

Special Information: This method is for the enumeration of a single strain at high levels within a product. For samples that contain a low level (<10⁴ CFU/g) of the probiotic organism, a special note is required to be added at the time of submission to ensure appropriate dilutions are tested. Samples that contain a mixture of live organisms are out of scope of this method. Difficult matrices (extreme pH, inhibitory ingredients, etc.) that could cause inhibition are out of scope.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
<i>Bacillus subtilis</i> Result	<i>B. subtilis</i> , DE 111	CFU/g	< 10 CFU/g	0.070
<i>Heyndrickxia coagulans</i> Result	<i>H. coagulans</i> , <i>Bacillus coagulans</i> , <i>Weizmannia coagulans</i> , BC30	CFU/g	<10 CFU/g	0.060