



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Enumeration of Aerobic Mesophilic Organisms
Aerobic Plate Count Pour Plate 37°C

Method Number: LI-00.701

Scope of Application: Raw materials, line samples, finished products, products intended for feeding of animals, and environmental samples

Description: Inoculation of a non-selective medium (PCA) using the pour-plate method, with aliquots of the appropriate dilutions of the analyzed product or of the test sample if the product is liquid. Incubation at 37°C for 48hrs and enumeration of the colonies.

Sample Weight Required: 25 g

Method Reference: ISO 4833:2003: Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of micro-organisms – Colony-count technique at 30°C

Analytical Platform: Cultural method

Special Information: The method is applied to routine products, raw materials, or environmental samples, including high acid samples and spices.

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
APC Result (37°C)		CFU/g	<10 CFU/g	
APC Result (37°C)		CFU/mL	<1 CFU/mL	
APC Result (Environmental / 37°C)		CFU/swab	<10 CFU/swab (q-tip/stick) <100 CFU/swab (sponge)	