



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 including high acid samples and spices.

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

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)	