



DETERMINATION OF TOTAL BACTERIAL COUNT IN TOBACCO, TOBACCO PRODUCTS, PURIFIED PRODUCTS AND FIBRE-BASED MATRICES BY THE CONVENTIONAL SPREAD PLATE METHOD

Purpose

To determine the total count of viable aerobic bacteria in tobacco, tobacco products, purified products and fibre-based matrices.

Applies to

Quality Laboratory

General

Principle of the method

The conventional spread plate method is used for determination of total bacterial count in tobacco, tobacco products, purified products and fibre-based matrices. (b) (4)

(b) (4) Plates are incubated for (b) (4) hours at (b) (4) and the number of colonies/colony-forming units (cfu) is counted.

Area of application and range of measurement of the method

The method is used for tobacco, tobacco products, purified products, and fibre-based matrices. The detection limit of the method is (b) (4)

Risk assessment and safety instructions

See operating and care instructions for autoclave.

Summarised risk assessment

The present method does not necessitate any risk-reducing measures.

Risk and safety phrases

(b) (4)

Equipment

Apparatus and laboratory utensils

Instrument	Manufacturer
(b) (4)	(b) (4)

Material, Substrate, Chemicals

(b) (4)



Preparation of agar plates, standard solutions, and sterilisation of utensils:

See instructions "Production of agar in agarclave" and "Sterilisation in Prioclaves autoclave".

Sample handling

Sample storage

Samples for analysis are stored either in the rooms or in the refrigerator depending on in what respect products are to be analysed

Sample preparation and amount



See instruction "Bacterial analysis of snus, fibre-based matrices, and purified products" for Quality Laboratory.

Analysis





(b) (4)

See instruction “Bacterial analysis of snus, fibre-based matrices, and purified products” for Quality Laboratory.

Measurement data

Calculations

(b) (4)

Reporting of analysis results:

See instructions “Bacterial analysis of snus, fibre-based matrices, and purified products” for Quality Laboratory.

Proficiency test

(b) (4)

Person responsible

Manager Product Quality