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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Microbiology — General guidance for the enumeration of Bacillus cereus — Colony-count technique at 30 °C

TECHNICAL CORRIGENDUM 1

Microbiologie — Directives générales pour le dénombrement de Bacillus cereus — Méthode par comptage des colonies à 30 °C

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO 7932:1993 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Subcommittee SC 9, *Microbiology*.

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Replace the EXAMPLE with the following text in which certain numbers have been corrected.

EXAMPLE

A direct count of *B. cereus*, at 30 °C gave the following results:

- at the first dilution retained (10^{-3}) : 66 and 80 colonies;
- at the second dilution (10^{-4}) : 7 and 4 colonies

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Ref. No. ISO 7932:1993/Cor.1:1997(E)

Descriptors: agricultural products, food products, animal feeding products, tests, microbiological analysis, determination, bacillus, bacteria count methods.

The following number were stabbed:

for 66 colonies: 5 colonies, 4 of which agreed with the criteria, giving a = 66 (see 10.1.1);

for 80 colonies: 5 colonies, 3 of which agreed with the criteria, giving a = 48;

for 7 colonies: 5 colonies, 4 of which agreed with the criteria, giving a = 7 (see 10.1.1);

for 4 colonies: all 4 were found to be the microorganism sought.

Therefore

$$N = \frac{\sum a}{(n_1 + 0, 1 n_2)d}$$
$$= \frac{66 + 48 + 7 + 4}{(2 + 0, 2) \times 10^{-3}}$$
$$= \frac{125}{2,2 \times 10^{-3}} = 56\,818$$

Rounding the result as specified above gives 57 000 or $5,7 \times 10^{-4}$ B. cereus per millilitre or per gram of product.