

SE 2

Technical Data Sheet

General information

Description

SE 2 consists of a specifically selected strain of *Staphylococcus equorum* to ensure a uniform and controlled surface treatment in the production of soft cheeses and helps to give a more controlled development of red smear, with faster colour development, and better inhibition of mould growth. Due to high proteolytic and high lipolytic activity the ripening and aroma of the cheese are enhanced as well.

Application

Hydrate the culture powder in water under aseptic conditions for approx. 30 minutes ensuring that the culture is well dispersed by gentle stirring from time to time. The suspension might be used for spraying unto the surface of the cheese. The following may be used inoculations guideline:

Product	Dose/100 l	Product	Dose/100 l
Red smear solution	1.0-5.0		

Technical Information

Inoculation guideline for dairy application: sprinkle the culture powder directly into process milk under aseptic conditions ensuring that the culture is well dispersed by gentle stirring. 1 dose is 10^{11} CFU and inoculated in 100 l milk 1 dose gives approx. 10^6 CFU/ml milk.

Microbiological specifications

Assay	Result	Method (Reference)
<i>Bacillus cereus</i>	< 100 CFU/g	M10 (ISO 7932)
Coagulase positive staphylococci*	< 10 CFU/g	M11 (ISO 6888-1-2)
Enterobacteriaceae	< 10 CFU/g	M02 (ISO 21528-1-2-3)
<i>Escherichia coli</i>	< 1 CFU/g	M27 (ISO 11866-1-2/IDF 170)
<i>Listeria monocytogenes</i> *	Not detected in 25 g	M13 (ISO 11290-1-2)
Yeast and mould	< 10 CFU/g	M03 (ISO 6611/IDF 94)
<i>Salmonella</i> spp.*	Not detected in 25 g	M12 (ISO 6785/IDF 93)

* Analyzed on regular basis. Analytical methods are available upon request.

Safety information

Heavy metal analysis

Heavy metal*	Amount (ppm)
Pb (lead)	< 1 ppm
Hg (mercury)	< 0.03 ppm
Cd (cadmium)	< 0.1 ppm

* Analyzed on a regular basis.

Safety sheet

This product is not hazardous; therefore provision of a Safety Data Sheet (SDS) is not mandatory (REACH Art. 31). A Safety Information Data Sheet has been made as a voluntary presentation of certain information that may assist the user in the handling. The safety information is available upon request.

GMO status

Sacco organisms are not genetically modified (GMO), in accordance to the European Directive 2001/18/EC.

This product does not require labelling with regard to the use of GMO, in accordance to Regulation (EC) No. 1829/2003, and Regulation (EC) No. 1830/2003.

Allergens	<p>The raw materials used are free of the following components and their products thereof: cereals containing gluten, crustaceans, eggs, fish, peanuts, soybeans, nuts, celery, mustard, sesame seeds, sulphur dioxide and sulphite, lupin and molluscs.</p> <p>This product contains MILK.</p> <p>The list of allergens is in compliance with Regulation (EC) 1169/2011.</p>
BSE/TSE status	<p>This product is considered safe with respect to bovine spongiform encephalopathy (BSE) or transmissible spongiform encephalopathies (TSEs) transmissions in accordance to Regulation EMA 410/01 rev. 3.</p>
Other information	
Colorants	<p>This product does not contain added colorants, in accordance to Regulation (EC) 1333/2008.</p>
Packaging information	<p>The freeze-dried culture is packaged inside waterproof and airproof pouches, consisting of three layers (in order, going inwards): polyester, aluminium, and polyethylene.</p> <p>The packaging material used is food grade.</p>
Storage and shelf-life	<p>Cultures should be preferably stored, at -18 °C (-0.4 °F), or below. Under these conditions and in the original sealed package, the shelf-life of the product is 12 months.</p>
Certificate of analysis	<p>Lot's certificate of analysis is available upon request.</p>
Certifications	
General	<p>Sacco S.r.l. is ISO 22000:2005 and FSSC 22000 certified since 2014. Certificates are available in the web site www.saccosystem.com.</p>
Kosher	<p>Sacco cultures are generally Kosher approved. Please consult Certificates that are available in the web site www.saccosystem.com.</p>
Halal	<p>Sacco cultures are generally Halal approved. Please consult Certificates that are available in the web site www.saccosystem.com.</p>
Service and technical support	<p>Please contact your distributor for guidance and instructions for your choice of culture and processing. Information about additional package sizes and sales units is also available upon request.</p>
Liability	<p>The information provided is to the best of our knowledge true, and given in good faith. No guarantee against patent infringement is implied or inferred.</p> <p>This may not be the most updated version of the TDS. For the latest version of this document please visit our website or contact your distributor.</p>