

# PR A

## Technical Data Sheet

### General information

#### Description

PR A is a liquid mould culture consisting of a single strain of bright blue-green *Penicillium roqueforti*. The use of this culture ensures a controlled and very fast development of a green marbled characteristic appearance of blue cheese. Due to medium proteolytic activity, low lipolytic activity and low esterase activity, the use of PRA is suitable for maturation (softening the texture) and slow development of aroma in mild/creamy cheese.

#### Application

The bottle should be agitated vigorously under aseptically conditions before direct inoculation into the milk before renneting.

#### Technical Information

Data are obtained under laboratory conditions, and consequently, should be considered as guidelines.

Trait	Result
Esterase activity	Low
Proteolytic activity for cheese	Medium
Lipolytic activity	Low
Salt tolerance	Medium-High

### Microbiological specifications

Assay	Result	Method (Reference)
<i>Penicillium roqueforti</i> A	Min. $2 \times 10^9$ CFU/dose	M81 (ISO 6611/IDF 94)
<i>Bacillus cereus</i>	< 100 CFU/g	M10 (ISO 7932)
Coagulase positive Staphylococci*	< 10 CFU/g	M11 (ISO 6888-1-2)
Enterobacteriaceae	< 1 CFU/g	M02 (ISO 21528-1-2-3)
<i>Listeria monocytogenes</i> *	Not detected in 25g	M13 (ISO 11290-1-2)
Foreign mould	< 10 USF/g	M34
Yeast	< 10 CFU/g	M33
<i>Salmonella</i> spp.	Not detected in 25 g	M12 (ISO 6785/IDF 93)

\* Analysed 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**

The raw materials used are free of the following components and their products thereof: milk, cereals containing gluten, crustaceans, eggs, fish, peanuts, soybeans, nuts, celery, mustard, sesame seeds, sulphur dioxide and sulphite, lupin and molluscs.

The list of allergens is in compliance with Regulation (EC) 1169/2011.

**BSE/TSE status**

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

**Other information****Colorants**

This product does not contain added colorants, in accordance to Regulation (EC) 1333/2008.

**Packaging information**

The liquid mould culture is available in bottles with 1, 5, 10, 20 and 40 doses. The packaging material is food grade in accordance with Regulation (EC) 10/2011.

**Storage and shelf-life**

Sealed bottles should be stored at 2-6°C. Under these conditions and in the original sealed package, the shelf-life of the product is 6 months.

**Certificate of analysis**

Lot's certificate of analysis is available upon request.

**Certifications****General**

Sacco S.r.l. is ISO 22000:2005 and FSSC 22000 certified since 2014. Certificates are available in the web site [www.saccosystem.com](http://www.saccosystem.com)

**Kosher**

Sacco cultures are generally Kosher approved. Please consult Certificates that are available in the web site [www.saccosystem.com](http://www.saccosystem.com)

**Halal**

Sacco cultures are generally Halal approved. Please consult Certificates that are available in the web site [www.saccosystem.com](http://www.saccosystem.com)

**Service and technical support**

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.

**Liability**

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.

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