



Valiren Y 36 A

Technical Data Sheet

1. DESCRIPTION

DESCRIPTION	Freeze-dried concentrated starter culture
APPEARANCE	Slightly yellow powder form
COMPOSITION	<i>Streptococcus salivarius</i> subsp. <i>thermophilus</i> , <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i>
APPLICATIONS	Production of Fermented Milk and Yoghurt
DOSAGE	1 U / 100 – 200 liters of milk
ROTATION ALTERNATIVE	
PACKING UNITS	10 – 20 U

2. FERMENTATION ACTIVITY

Conditions: Medium: skim milk powder (12% total solids) pasteurized 100°C x 20' Inoculation rate: 1U /100 lt

Activity test in lab trial

Fermentation Temperature	: 43°C
Fermentation Time	: 4 h
ΔpH	: 1,80 ± 0,10

3. MICROBIOLOGICAL CHARACTERISTICS

Contaminants	Specifications	Methods
Non lactic acid bacteria	< 500 ufc/ g	ISO 13559/IDF 153:2002
Yeast and moulds	< 10 ufc/ g	ISO 6611/IDF 94:2004
<i>Enterobacteriaceae</i>	< 10 ufc/ g	ISO 21528-2 :2004
Stafilococci coag. ⁺	< 10 ufc/ g	ISO 6888-1 :1999
<i>Listeria monocytogenes</i>	Neg. /25 g	ISO 11290-1 :1996
<i>Salmonella</i> spp	Neg./25 g	ISO 6579 :2008



4. STORAGE CONDITIONS

- Should be stored at between + 2 - 8°C.
- The code of product, batch number (Lot) and expiry date are printed on each package.
- Freeze-dried concentrated starter cultures can be shipped in cardboard boxes under ambient conditions.
- Material and kind of packaging is 12 PET / B / T / 8 ALU / T / 80 LLDPE

5. NON GMO STATUS

As provided in the EU Directive n.2001/18/EC - Regulation n.1829/2003 and Regulation n.1830/2003 **Valiren[®] Starter Culture** products do not contain genetically modified organisms and are not produced from genetically modified organisms.

6. NOTES

- Pilot scale tests should be run to optimize dose levels according to requested properties of product.
- Bacteriophage contamination levels can be controlled by regularly effective cleaning and sterilizing processing equipments. Depends on the hygienic situation of process, we recommend use of rotation alternative ones in a week.
- Please contact Technical Support Department for more information.