



## TECHNICAL DATA SHEET

**DESCRIPTION** SODIUM CITRATE SOLUTION, 2%, BOTTLED

**SGL PRODUCT CODE** 3004

A diluent used for the examination of food samples, particularly dairy products such as cheese and dried milk.

The formulation complies with ISO 8621 (IDF 122) Milk and milk products – general guidance for the preparation of test samples, initial suspensions and decimal dilutions for microbiological examination

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Trisodium citrate	20.0 g
Purified water	1000 ml

\*Product may be adjusted and/or supplemented to meet performance criteria

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, colourless liquid
pH at 20-25°C	7.5 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 NCIB 8545 NCTC 12923 NMT 100 CFU inoculum	±50% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	±50% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 1 day
<i>Staphylococcus aureus</i> ATCC 25923 NCTC 12981	±50% recovery after 45 mins at room temperature compared to original count. Incubation at 35-37°C for not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).

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