



TECHNICAL DATA SHEET

DESCRIPTION EGG YOLK EMULSION, BOTTLED

SGL PRODUCT CODE 0686

Egg yolk emulsion is typically used as an additive in various media, for example, in the detection of *Clostridium perfringens* species such as Perfringens TSC agar (e.g. SGL Produce Code 9094) and *Bacillus cereus*, such as *Bacillus cereus* selective agar (e.g. SGL Product Code 7991). The egg yolk permits the detection of microbial lecithinase activity.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Egg yolk	500 ml
Sodium chloride	4.25 g
Purified water	500 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Pale yellow to orange emulsion. Traces of egg precipitate may be visible on the surface of the bottle. The viscosity of the emulsion may vary.

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 14 days	No growth detected
Incubation at 35-37°C for 14 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS *1	SPECIFICATION CRITERIA
<i>Bacillus cereus</i> ATCC 11778 NCTC 10320 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, pink background with precipitate halo at 29-31°C incubation after not more than 2 days
<i>Bacillus subtilis</i> ATCC 6633 NCTC 10400 NLT 1000 CFU inoculum	Moderate to good growth compared to control, yellow colony without precipitate halo at 29-31°C incubation after not more than 2 days
<i>Escherichia coli</i> ATCC 8739 NCIMB 8545 NCTC 12923 NLT 1000 CFU inoculum	Total inhibition at 29-31°C incubation after not more than 2 days
<i>Escherichia coli</i> ATCC 25922 NCTC 12241 NLT 1000 CFU inoculum	Total inhibition at 29-31°C incubation after not more than 2 days

*1 Tests are performed on *Bacillus cereus* agar (SGL Product Code 4851) when 0686 sample is added to the agar.

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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

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