

# QUALITY CONTROL CERTIFICATE



Product name : Tryptone Soya Agar  
Abbreviation : TSA  
Article code : T400.76.0250.131  
Filling Volume : 250 ml

Batch number : 20220300721  
Storage temp. : 2-25 °C  
Expiration date : 29-03-2023  
(for sealed enclosure as dd-mm-yyyy )

## Typical Formula

Ingredients per litre of nutrient medium \* :

Pancreatic digest of casein	15	gr
Papaic digest of soybean meal	5	gr
Sodium chloride	5	gr
Agar	15	gr
Demiwater	1000	ml

\* Adjusted as required to meet performance standards.

## Physical Properties

Test	Criterion	Result	Conforms
pH	7.3 ± 0.2	7.2	C
Color	cream	cream	C
Consistency	agar	agar	C
Gel Strength		Conforms	C
Appearance	Clear:Yes Partic.:No	Clear:Yes Part.:No	C

## Sterility Check

Incubation-condition	Result	Conforms
44-52 hours 30 ± 1 °C	Sterile	C

**Growth Properties on next page.**

# Quality Control Certificate

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## Growth Properties

• Incubation-condition : 40-72 hours 32,5 ±2,5 °C Aerobic

Micro-organisms	Strain	Method*	Electivity**	CFU	CFU-ref	Result	Crit.	Conf.
Staphylococcus aureus	ATCC 6538 WDCM 00032 NCTC 10788	05	cream	72	76	0.95	≥ 0.7	C
Bacillus subtilis	ATCC 6633 WDCM 00003 NCTC 10400	05	cream	45	44	1.02	≥ 0.7	C
Pseudomonas aeruginosa	ATCC 9027 WDCM 00026	05	green	55	52	1.06	≥ 0.7	C
Aspergillus brasiliensis	ATCC 16404 WDCM 00053	05	white/black	25	20	1.25	≥ 0.7	C
Candida albicans	ATCC 10231 WDCM 00054	05	white	67	75	0.89	≥ 0.7	C

\* Method 05 = TV 5.05 Non-selective enumeration agar ; Growth promotion test (acc European Pharmacopoeia)  
Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum ≤100 cfu

\*\* Electivity denotes the properties of the colony and/or their effect on the morphological characteristics of the medium  
CFU denotes Colony Forming Units counted on batch. CFU-ref denotes Colony Forming Units counted on reference plate.  
C = Conforms  
Do not expose the product to intense light.  
The test results reported on this quality control certificate were obtained from a sample of the batch.

Our microbiological quality control is carried out by our microbiological laboratory accredited according to EN ISO/IEC 17025. (RvA Registration number: RvA-L 614).  
This laboratory certificate is generated electronically and valid without a signature.  
Results were obtained from laboratory report R20220300721.

Acceptance date:  
31-03-2022  
Authorisation QC:  
Peggy Spaan  
05-04-2022  
(dd-mm-yyyy)

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