



| RM565G | Lactose monohy | vdrate. Sterile |
|----------|------------------|------------------|
| INITIOUS | Lactose infondir | ui aic, bici iic |

Product Number Packing

RM565G : 500G

Product Information

Product Code : RM565G

Product Name : Lactose monohydrate, Sterile

Synonym : 4-O-â-D-Galactopyranosyl-D-glucose; Milk sugar

Molecular Formula : $C_{12} H_{22} O_{11} . H_{2} O$

 Molecular Weight
 : 360.31

 CAS No.
 : 64044-51-5

 EC No.
 : 200-559-2

 HS Code
 : 1702 11 00

 Shelf Life
 : 2 years

Technical Specification

Appearance : Pale yellow fine powder.
Consistency : Free flowing powder

Solubility : 10% in boiling water gives clear solution.

Clarity : 10% w/v aqueous solution is clear.

Reaction : Reaction of 2% w/v aqueous solution at 25°C.

pH : 4.00 - 6.00

Sterility Testing : No growth is observed after 14 days for Bacteria at 30-35°C and for fungi at

20-25°C.

Cultural response : Cultural response observed after an incubation at 35-37°C for 18-24 hours

by preparing Phenol Red Lactose Broth (M275), using 0.5% of Lactose

monohydrate, sterile as an ingredient.

Organisms (ATCC)

| 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | Growth | Acid | Gas |
|---|---|---|---|
| Citrobacter freundi ATCC 8090 | luxuriant | positive reaction (yellow coloured) | positive reaction |
| Enterobacter aerogenes ATCC13048 Escherichia coli ATCC 25922 Klebsiella pneumoniae ATCC 13883 Proteus vulgaris ATCC 13315 | luxuriant luxuriant luxuriant luxuriant | positive reaction (yellow coloured) positive reaction (yellow coloured) positive reaction (yellow coloured) negative reaction ,no colour change | positive reaction positive reaction positive reaction negative reaction |
| Serratia marcescens ATCC 8100 Salmonella Typhi ATCC 6539 Salmonella Typhimurium ATCC 14028 | luxuriant luxuriant luxuriant | negative reaction ,no colour change negative reaction ,no colour change negative reaction ,no colour change | negative reaction negative reaction negative reaction |
| Shigella flexneri ATCC 12022 Pseudomonas aeruginosa ATCC 27853 Staphylococcus aureus ATCC 25923 Bacillus subtilis ATCC 6633 Candida albicans ATCC 10231 Aspergillus brasiliensis ATCC 16404 Clostridium sporogenes ATCC 11437 | luxuriant luxuriant luxuriant luxuriant luxuriant luxuriant luxuriant | negative reaction ,no colour change negative reaction ,no colour change | negative reaction negative reaction negative reaction negative reaction negative reaction negative reaction negative reaction |

A-516, Swastik Disha Business Park, Via Vadhani Indl. Est., LBS Marg, Mumbai-400 086, India. Phone:+91-022-6147 1919 Fax:+91-022-6147 1920. email: info@himedialabs.com. Visit us at our website: www.himedialabs.com





Chemical Analysis:

FTIR : Matches with the standard pattern

 Sulphated ash
 : <= 0.1%</td>

 Water (K.F.)
 : 4.50 - 5.50%

 Assay (GC/HPLC)
 : 98.00 - 102.00%

Risk and Safety Information

WGK : 3

Storage Temperature(°C) : Store below 30°C

Transport Information

Marine Pollutant : No

ADR/RID : Not Dangerous Goods IMDG : Not Dangerous Goods IATA : Not Dangerous Goods

A-516, Swastik Disha Business Park, Via Vadhani Indl. Est., LBS Marg, Mumbai-400 086, India. Phone:+91-022-6147 1919 Fax:+91-022-6147 1920. email: info@himedialabs.com. Visit us at our website: www.himedialabs.com