



## CERTIFICATE OF ANALYSIS

CoA No. : TBL/QC/020/07044 Date : 2/16/2021  
Product Name : MURASHIGE & SKOOG MEDIUM  
(With Vitamins & Calcium Chloride Code : TP 001A  
W/O Sucrose, Agar)  
Lot No. : A0112007  
Date of Mfg. : February 2021 Date of Expiry. : January 2022

### Physical parameters:

Parameters	Specifications	Results
Appearance	White to light tan, homogenous free flowing powder	Complies
Solubility	Colorless to slight yellow colour, clear solution	Complies
pH	4.8 ± 0.2	4.8

### Plant tissue culture response:

Cultivation of orchid plants attempted *in vitro* under following conditions:

- Incubation period: 5 weeks
- Relative humidity: 60% ± 2%
- Temperature : 22°C ± 2°C
- Photoperiod (D:N) in hours : 16:8

Cell line	Type of culture	Standard response	Observation
<i>Musa</i> species	Shoot culture	<ul style="list-style-type: none"><li>• Actively growing shoots</li><li>• No structural deformity</li><li>• No necrotic tissues</li><li>• No toxicity to shoots</li></ul>	<ul style="list-style-type: none"><li>• Actively growing shoots</li><li>• No structural deformity</li><li>• No necrotic tissues</li><li>• No toxicity to shoots</li></ul>

**Results:** Satisfactory

Certified by:

Q.C. Incharge

Q.A. Incharge

Electronically Generated Certificate-Valid without signature.