

**PCT0701 MES buffer, Plant Culture Tested****Product Number Packing**

PCT0701	: 25G
PCT0701	: 100G

**Product Information**

Product Code	: PCT0701
Product Name	: MES buffer, Plant Culture Tested
Synonym	: [2-(N-Morpholino)ethanesulphonic acid]
Molecular Formula	: C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S
Molecular Weight	: 195.24
CAS No.	: 4432-31-9
HS Code	: 2934 99 90
Shelf Life	: 3 years

**Technical Specification**

Appearance	: White powder
Solubility	: Soluble in water
Reaction	: Reaction of 1% w/v aqueous solution at 25°C.
pH	: min. 2.50 max. 4.00
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), Photoperiod Day: Night in hours (16:8)
Shoot culture	: No structural deformity observed, actively growing shoots, no toxicity to shoots
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus
Chloride (Cl)	: <= 0.01%
Moisture	: <= 1%
Heavy metals (as Pb)	: <= 0.001%
Sulphate (SO <sub>4</sub> )	: <= 0.05%
Useful pH range	: 5.5 - 6.7
pKa (20°C)	: 6.15
Assay (Titration)	: min. 99.00 %

**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