Product Information

Product Code : PCT0013
Product Name : Sodium dihydrogen phosphate monohydrate, Plant Culture Tested
Molecular Formula : NaH₂PO₄·H₂O
Molecular Weight : 137.99
CAS No. : 10049-21-5
EC No. : 231-449-2
HS Code : 2835 22 00
Shelf Life : 4 years

Technical Specification

Appearance : White granular powder
Solubility : Soluble in water
Reaction : Reaction of 5% w/v aqueous solution at 25°C.
pH : 4.10 - 4.50
Identification (A and B) : Passes test
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) : <= 0.0005%
Calcium (Ca) : <= 0.005%
Heavy metals (as Pb) : <= 0.001%
Iron (Fe) : <= 0.001%
Sulphate (SO₄) : <= 0.003%
Potassium (K) : <= 0.01%
Insoluble matter : <= 0.01%
Assay : min. 98.00 %

Risk and Safety Information

WGK : 1
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