



Product Specification

cdhfinechemical.com

POTASSIUM OXALATE 5% SOLUTION

PRODUCT CODE 878640

Intended Use

It is use as anticoagulating agent.

Principle And Interpretation

Coagulation of blood can be prevented by various ways, one of them is by adding oxalates. Potassium oxalate shrinks the red blood cells, whereas ammonium oxalate produces swelling of the cells. When combined as a double oxalate mixture, they do not affect the shape of the red cells and therefore do not influence the haematocrit. Heparin is an excellent anticoagulant but is more expensive than other chemicals. Potassium oxalate is commonly used when oxalate is required since it is more soluble than sodium or lithium salts (3).

PARAMETER	LIMIT
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Description	A clear colourless liquid.
Solubility	Miscible with water.
concentration	4.9-5.1%

Directions

Measure 0.5 ml of this solution into stoppered test tubes. These are dried at room temperature or in an oven at not more than 60°C. The dry mixture is used so as not to dilute the blood. Place 5 ml blood into this anticoagulated tube and invert the stoppered tube gently for about 5 times to ensure adequate mixing.

Results

The set concentration of Potassium Oxalate keeps the blood uncoagulated. The set concentration of Potassium Oxalate keeps the blood uncoagulated.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

IMDG Code :--

UN No. :--

IATA :--

Hazard Pictogram(s) :-



GHS07

Replace date 22-Dec-2023