UKNITRATES

MKP Monopotassium Phosphate

Properties

Crystals, odourless, white
Molecular weght 136
EINECS 231-913-4
52.0 % Phosphorus pentoxide (P2O5), water-soluble
52.0 % Phosphorus pentoxide (P2O5), soluble in neutral ammonium citrate and in water
34.0 % Potassium oxide (K2O), water soluble

Producer

Hortipray, Prayon, Belgium

Chemical Analysis

	Typical	Specifications	Methods
Total P2O5 (anhydrous)	52.1%	51.6% min	PLC 20
P	22.7%	22.5% min	Calculation
K2O	34.6%	34.2% min	Calculation
K	28.7%	28.4% min	Calculation
P2O5 + K2O	86.7%	84.5% min	Calculation
Assay	99.9%	99.0% min	Calculation
pH 1 % Solution	4.5%	4.2 - 4.8%	PLC 07
Insoluble matters	0.02%	0.20% max	PLC 03
Loss on desiccation (@ 105 °C)	< 0.05%	0.50% max	PLC 13
Sulfate (as SO3)	0.017%	0.100% max	PICP 05
Cadmium (Cd)	<0.1ppm	1.0 max	PICP 05

Physical Properties

Solubility in water at 20 °C	225 g/l water
Bulk density	1540 kg/m3
Electrical Conductivity at 1 g/l water and 20° C	0.77 mS/cm

Packs, Storage, Transportation

Pack Sizes
Product packed to PE 25 kg bags
1000kg net big bags.

Storage
Keep in a tightly closed container. Store in a cool, dry, ventilated and low fire risk area, away from sources of heat or Protect the container against physical damage.
Store separately from combustible and reducing materials

Usable Life
24 months from date of production in original sealed packages

Safety Precautions
When using the product do not eat, drink or smoke, abide by the personal hygiene rules.

Transport Information
CAS No. 7778-77-0
Hazard Class 5.1
PG (Packing Group, UN) III

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