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PRODUCT SPECIFICATION DATA SHEET

Dihydrogénophosphate de Potassium

DESCRIPTION

General Description Monopotassium phosphate technical grade Hygroscopic white crystals. Risk of caking.		Date effective – edition September, 2017-01
Grade Technical grade	Formula KH ₂ PO ₄	Molecular weight 136
EINECS 231-913-4	CAS number 7778-77-0	

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
Total P ₂ O ₅ (anhydrous)	%	52.1	51.6 Min.	PLC 20
K ₂ O	%	34.6	34.2 Min.	Calculation
Assay	%	99.9	99.0 Min.	Calculation
pH solution 1%		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
Impurities content				
Sulfate (SO ₃)	%	0.017	0.070 Max.	PICP 05
Pb	ppm	< 0.5	5.0 Max.	PICP 05
As	ppm	0.1	3.0 Max.	PICP 04
F	ppm	2.7	250 Max.	PLC 14
Fe	ppm	2.8	25.0 Max.	PICP 05
Heavy metals (as Pb)	ppm	< 10	15 Max.	PLC 08
Physical properties				
Bulk density	g/cm ³ lbs/ft ³	1.54 96	- -	- -
Solubility in water @ 20 °C	g/L water	220		
Form	Crystalline			
Odour	Odourless			
Colour	White			

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STORAGE & SHELF LIFE

Store in a cool, dry and odorless place. Protect from humidity. Keep in the packaging of origin, shrink-wrapped.
Best before: 2 years after production date.

APPLICATIONS

- Nutrient for yeast and in many other fermentation processes
- Many other industrial processes

Plant location	Puurs – Belgium
Packaging types	Polyethylene bags of 25 kg net – Big Bags on pallets
Handling precautions	See MSDS

CERTIFICATIONS

ISO 9001 (Quality) – OHSAS 18001 (Security) – ISO 14001 (Environment) – Kosher Pareve Passover – Halal

REGULATIONS & STATEMENTS

GMO free – Allergen free – BSE/TSE free – Mineral origin