



## Technical data sheet

# DIPOTASSIUM PHOSPHATE GRANULAR, FOOD GRADE

### PRODUCT DESCRIPTION

Dipotassium Phosphate Food Grade is available as granular or powdered product. Other grades are also available including a technical grade product. Information on these products is available on separate product data sheets.

<b>Reg.No CAS:</b>	7758-11-4	<b>Reg.No EINECS:</b>	231-834-5
<b>Chemical formula:</b>	$K_2HPO_4$	<b>Molecular weight:</b>	174 g/mol
<b>E number/INS number:</b>	E 340 (ii) / INS 340 (ii)	<b>Abbreviation:</b>	DKP
<b>Synonyms:</b>	EC: Dipotassium phosphate; FCC: Potassium phosphate dibasic; Dipotassium hydrogen orthophosphate; Dipotassium hydrogen monophosphate		

**Production plant:** Germany

### PRODUCT SPECIFICATION

#### Product specification

Parameter	Unit	Method	Specification	Typical value
Appearance		AA-7-01-D-205	white, granules	OK
P <sub>2</sub> O <sub>5</sub>	%	AA-7-01-D-332	40,3 - 41,5	40,8
Assay	%	AA-7-01-D-332	min. 98,0	100,0
pH of 1% solution		C-SOP-24	8,7 - 9,4	9,2
Water insoluble matter	%	AA-7-01-D-202	max. 0,2	0,01
Loss on drying	%	C-SOP-40	max. 2,0	0,02
Fluoride (F)	ppm	C-SOP-68	max. 10,0	<10,0
Arsenic (As)	ppm	C-SOP-23	max. 1,0	<0,1
Cadmium (Cd)	ppm	C-SOP-69	max. 1,0	<0,1
Mercury (Hg)	ppm	C-SOP-23	max. 1,0	<0,1
Lead (Pb)	ppm	C-SOP-69	max. 1,0	<0,1
Bulk density (loose)	kg/m <sup>3</sup>	C-SOP-77	950 - 1200	approx. 1051

#### Other typical values

Parameter	Unit	Typical value
Iron (Fe)	ppm	<10,0
Heavy metals as Pb	ppm	<10

#### Theoretical values

Parameter	Unit	Typical value
K <sub>2</sub> O	%	>53,0
Solubility in water (20 °C)	g/100g water	approx. 180

The solubility value given is the tabulated value of the maximum solubility at 20 °C under optimum conditions.



**Mon-Droguiste.Com**  
39 Bis Rue Du Moulin Rouge  
10150 Charmont Sous Barbuise  
Tél : +33.(0)3.25.41.04.05  
E mail : [contact@mon-droguiste.com](mailto:contact@mon-droguiste.com)  
Web : [www.mon-droguiste.com](http://www.mon-droguiste.com)

## Technical data sheet

# DIPOTASSIUM PHOSPHATE GRANULAR, FOOD GRADE

### PRODUCT APPLICATION

Dipotassium phosphate Food Grade has several uses in food applications and in other areas where a higher degree of purity is required.

Examples include:

- buffer systems requiring reduced sodium contents and high purities
- buffering and emulsifying salt in powdered and instant food mixes
- buffering and stabilizing of dairy and plant-based beverages
- buffering and anti-flocculation salt in casein based coffee creamers
- culture nutrient in antibiotic manufacture
- saline diuretic in medicine

Dipotassium phosphate can be used in these and other applications as replacement for disodium phosphate where a reduced sodium content is required.

Use and dosage of this product in food applications in the EU must be according to the requirements of the Regulation 1333/2008. Use and dosage of this product in other countries may be subject to other legislation depending on the country of use. Please refer to legislation applicable to your country and products.

### TRANSPORT AND STORAGE

#### Product packaging:

- FIBC 1000 kg
- Multi-ply paper polythene lined sacks of 25 kg

#### Delivery:

The use of warehouse racking or single stacking of pallets is recommended.

#### Storage:

It must be stored in dry and covered warehouses in closed containers to prevent product contamination and moisture absorption.

#### Shelf-life:

24 months from production date when stored properly.

### LAWS AND REGULATIONS

- REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- COMMISSION REGULATION (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council
- This product does not contain any ingredients causing allergies or intolerances listed in Annex II to REGULATION (EU) No 1169/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 25 October 2011 on the provision of food information to consumers
- The product is not an organism and therefore it cannot be subject to REGULATION (EC) No 1829/2003 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 September 2003 on genetically modified food and feed



## Technical data sheet

# DIPOTASSIUM PHOSPHATE GRANULAR, FOOD GRADE

### NUTRITIONAL DATA

Nutritional data (USA)	Value per 100g	Unit	Nutritional data (EU)	Value per 100 g	Unit
Calories	0	kcal	Energy	0	kJ
Total fat	0	g		0	kcal
of which saturated fat	0	g	Fats	0	g
of which trans fat	0	g	of which saturated fats	0	g
Cholesterol	0	mg	Carbohydrates	0	g
Total carbohydrate	0	g	of which sugars	0	g
of which dietary fiber	0	g	Fibers	0	g
of which sugar	0	g	Proteins	0	g
Protein	0	g	Salt*	1,25	g
Vitamine D	0	mg	*Salt equivalent content calculated using the formula: Salt = Sodium x 2,5 according to Regulation (EU) 1169/2011		
Ascorbic acid	0	mg			
Thiamin	0	mg			
Riboflavin	0	mg			
Niacin	0	mg			
Vitamine B6 and B12	0	mg			
Sodium	max. 500	mg			
Phosphorus	max. 18 000	mg			
Potassium	max. 45 000	mg			
Calcium	max. 10	mg			
Iron	max. 10	mg			

### ALLERGENS

Allergen	Present	Possible cross contamination
Cereals containing gluten, namely: wheat (such as spelt and khorasan wheat), rye, barley, oats and their hybridised strains and products thereof	NO	NO
Crustaceans and products thereof	NO	NO
Eggs and products thereof	NO	NO
Fish and products thereof	NO	NO
Peanuts and products thereof	NO	NO
Soybeans and products thereof	NO	NO
Milk and products thereof (including lactose)	NO	NO
Nuts (i.e. Almonds, Hazelnuts, Walnuts, Cashews, Pecan nuts, Brazil nuts, pistachio nuts, macadamia or Queensland nuts) and products thereof	NO	NO
Celery and products thereof	NO	NO
Mustard and products thereof	NO	NO
Sesame seeds and products thereof	NO	NO
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/l expressed as SO <sub>2</sub>	NO	NO
Lupine and product thereof	NO	NO
Molluscs and products thereof	NO	NO



**Mon-Droguiste.Com**  
39 Bis Rue Du Moulin Rouge  
10150 Charmont Sous Barbuise  
Tél : +33.(0)3.25.41.04.05  
E mail : [contact@mon-droguiste.com](mailto:contact@mon-droguiste.com)  
Web : [www.mon-droguiste.com](http://www.mon-droguiste.com)

## Technical data sheet

# DIPOTASSIUM PHOSPHATE GRANULAR, FOOD GRADE

### STATEMENTS

#### Food Fraud and Food Defence

Omnisal GmbH is certified according to FSSC 22000. Food Fraud and Food Defence is implemented in our Food Safety System.

#### Contaminants

The product is neither subject to Regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin, nor to Commission Regulation (EU) 2023/915 on maximum levels for certain contaminants in food. It is neither biocidal product, active substance nor treated article. It does not contain substances listed in Annex III to Regulation (EC) No 1107/2009 (Commission Regulation (EU) 2021/383 of 3 March 2021) and does not contain/is not produced using:

mycotoxins, alcohol, bisphenol (A, S), dioxine, EDTA, enzymes, ethylene oxide, gluten, latex, palm oil, phthalates, nitrosamines, glycolethers.

#### Microbiological Data

The product is not conducive to microbial development or growth. The microbial innocuousness is supported by the properties of the raw materials, the manufacturing processes and the physicochemical properties of the finished product.

#### Nanomaterials

The product does not contain any nanomaterials or nanotechnologies.

#### Irradiation

The product does not undergo any treatment by irradiation and does not contain any irradiated ingredients.

Based on the production process as well as on the type of raw materials used, the product is free of radioactive contamination.

#### Animal Testing

No kind of animal testing is conducted during any stage of production, development or testing of our products.

#### Transmissible Spongiform Encephalopathy

The product is produced from inorganic materials and does not contain any material of animal or biological origin. There is no risk the product contains material with any kind of TSE or prion disease.

#### Vegan, vegetarian

The product is suitable for vegan and vegetarian nutrition.

### CERTIFIED SYSTEMS

FSSC 22000 - ISO 9001 - ISO 14001 - ISO 50001 - KOSHER - HALAL - SEDEX