



Chemical name

Potassium D-glucarate; (CAS-No.: 576-42-1).

Molecular formula

$C_6H_8O_8K \cdot 4H_2O$

Molecular mass

248.24

Specifications

Appearance	:	white crystalline powder	
Assay	:	97.5 - 102.0%	
Chloride content	:	700 ppm max.	(1)
Sulphate content	:	1,200 ppm max.	(1)
Heavy metals content	:	20 ppm max.	(1)
Sucrose and reducing sugars	:	passes test	(1)
Specific rotation	:	+4.5° to +12.5°	
Lead	:	.25 ppm max	
VOC	:	passes test	(1)
E Coli	:	< 3 cfu/g	(1)
Total Coliform	:	< 10 cfu/g	(3)
Salmonella	:	negative / 25 g	(1)
Staphylococcus	:	negative / 25 g	(1)
Yeast & Mold	:	< 300 colonies /g	(1)
Aerobic Total Plate Count	:	< 3000 cfu/g	(1)

Purity meets the requirements of the *United States Pharmacopoeia 24* for Calcium D-Glucarate, pp 291-292.

(1) Method of analysis according to USP.

(2) Calculated from assay on as is basis.

(3) Most Probable Number (MPN) Method Bacteriological Analytical Manual, 8th Edition, Chapter 4, FDA, AOAC International.

Main characteristics

Potassium D-glucarate is odorless and tasteless.

Solubility in water : 2.26 grams / 100 ml

Bulk density : approx. 600 kg/m³

There is no evidence to demonstrate or suggest a hazard when employed at levels that are currently in use.

Packing

25 kg net in fiber drums lined with polyethylene bags.

Storage

Store in well-closed containers in a dry place at ambient temperature (15-20°C). Material should be re-tested after storage for three years.

Applications**Pharma & Nutritional Supplements**

Potassium D-glucarate is used as a nutritional supplement in tablet or capsule form.

FURTHER INFORMATION

For more detailed product information please refer to the separate product leaflets. For samples, technical service and further information, please contact your Sales Office or agent, or:

AFS Nutrition

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