



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418695

Fax: (0086) 551 65418697

Email: info@tnjchem.com

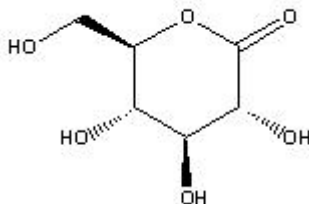
Site: www.tnchem.com

Technical Data Sheet

Glucono-delta-lactone

Product Information

Chemical Name	Glucono-delta-lactone
CAS #	90-80-2
Formula	C ₆ H ₁₀ O ₆
Molecular Weight	178.14
Synonyms	Delta-Gluconolactone;Glucono-delta-lactone
Chemical Structure	



Description

GDL, white crystalline powder, almost odorless, freely soluble in water(60g/ml),has a slightly sweet taste, then sour, sparingly soluble in ethyl alcohol (1g/100ml),almost insoluble ether.

Physical Properties

Appearance and Odor:	White crystalline powder
Melting Point:	150---154℃

Specification

Item	Specification
Description	Fine, White, practically odorless,Crystalline power.
Solubility	Free soluble in water
Identification	Crystals of phenylhydrazide of gluconic acid melt between 195℃ to 200℃

Melting range	About 160°C
Heavy metals	Not more than 20 ppm
Reducing substance	Not more than 16.1ml of 0.1 N sodium thiosulfate is consumed
Assay	It contains not less than 99.0% and not more than 101.0% of C ₆ H ₁₀ O ₆
Lead(Pb)	≤2ppm
As	≤10ppm
Sulphate Ash	≤0.1%
Particle size	20---80mesh

Applications

GDL is a multifunctional excellent food additive, and mainly used as protein coagulant, sour agent, swelling agent, preservative, flavoring agent, chelating agent, color retention agent etc. It is widely used in food, commodity chemical, pharmaceutical, cosmetics, plastics and resin modifying, electroplating, polishing, metal cleaning, organic synthesis and other aspects.

Packaging

In 25kg/bag or upon clients' request.
20mt per 20GP container.

Storage & Handling

Store in a dry, cool, well-ventilated area away from heat ,open flames, organic chemicals and light.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 65418695
Fax: (0086) 551 65418697
Email: info@tnjchem.com
Site: www.tnjchem.com