Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

t: +44 (0) 1225 667 798
f: +44 (0) 2033 978 909
e: info@glentham.com
w: www.glentham.com

Product Datasheet

GC9081 - D(+)-Lactose monohydrate, 99.5%, Ph. Eur. grade

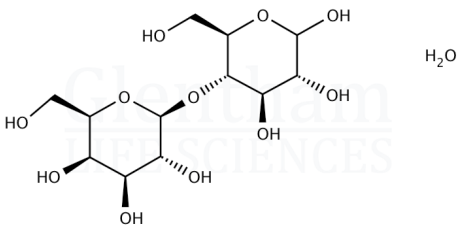
Product Details

Product Name	D(+)-Lactose monohydrate, 99.5%, Ph. Eur. grade
Glentham Code	GC9081
CAS Number	64044-51-5
EINECS	200-559-2
MDL Number	MFCD00166994
Additional CAS	10039-26-6
Additional CAS	14641-93-1
Additional CAS	5989-81-1
Additional CAS	63-42-3 (anhydrous)
Related Categories	Carbohydrates, Core Carbohydrates, Biochemicals, Raw Materials (IVD), Oligosaccharides

Structure

Molecular Weight : 360.32

Molecular Formula : $C_{12}H_{22}O_{11} \cdot H_2O$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	:	White or almost white crystalline powder
Identification	:	A, B, C, D according to Ph. Eur.
Solubility (10% in water)	:	Clear, colourless solution
Acidity or Alkalinity	:	≤ 0.4ml (0.1M NaOH required)
Absorbance	:	10% in water at 400nm: ≤ 0.04
	:	1% in water at 270 - 300nm: ≤ 0.07
	:	1% in water at 210 - 220nm: ≤ 0.25
Specific Optical Rotation	:	+54.4 - +55.9 ° (anhydrous substance)
Heavy Metals	:	≤ 5ppm
Water	:	4.5 - 5.5 %
Sulphated Ash	:	≤ 0.1%
Arsenic (As)	:	≤ 0.5ppm
Lead (Pb)	:	≤ 0.01ppm
Cadmium (Cd)	:	≤ 0.1ppm
Mercury (Hg)	:	≤ 0.01ppm
Cobalt (Co)	:	≤ 1ppm
Vanadium (V)	:	≤ 1ppm
Nickel (Ni)	:	≤ 1ppm
Lithium (Li)	:	≤ 1ppm
Antimony (Sb)	:	≤ 1ppm
Barium (Ba)	:	≤ 1ppm
Molybdenum (Mo)	:	≤ 1ppm
Copper (Cu)	:	≤ 0.1ppm
Tin (Sn)	:	≤ 1ppm
Chromium (Cr)	:	≤ 1ppm
Purity	:	≥ 99.5% (anhydrous basis)
Pharmacopoeia Specification(s)	:	Ph. Eur.
Version	:	v1.0

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About D(+)-Lactose monohydrate, 99.5%, Ph. Eur. grade

No further details on record.