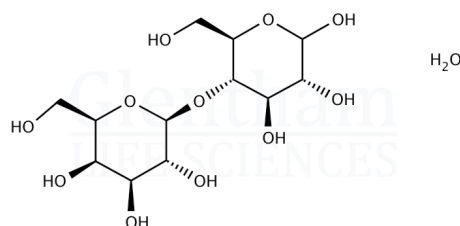


Product Specification

Product Name	D(+)-Lactose monohydrate, 99.5%, Ph. Eur. grade
Glentham Code	GC9081
CAS Number	64044-51-5
EINECS	200-559-2
MDL-Nummer	MFCD00166994
Zusätzliche CAS	10039-26-6
Zusätzliche CAS	14641-93-1
Zusätzliche CAS	5989-81-1
Zusätzliche CAS	63-42-3 (anhydrous)

Molecular Weight	360.32
Molecular Formula	$C_{12}H_{22}O_{11} \cdot H_2O$
Storage Temp.	+20°C



Property	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)

Product Specification

Pharmacopoeia Specification(s)		Ph. Eur.
Specification Version	-	v1.0
Date Created	-	2016-06-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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