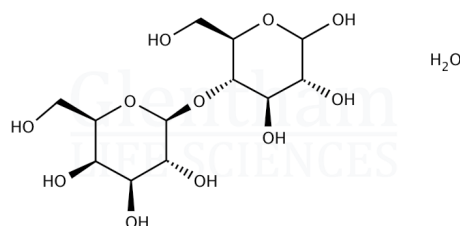


## Certificate of Analysis

Product Name	D(+)-Lactose monohydrate
Glentham Code	GK8620
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
PubChem SID	310275680
Additional CAS	63-42-3 (anhydrous)
Batch Number	396YCZ

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



Property	Specification	Batch 396YCZ
Physical Description	White to almost white powder	Conforms
Solubility (10% in water)	Clear, colourless solution	Clear, colorless solution
pH (10% in water)	4.5 - 7.0	5.0
Residue on Ignition	≤ 0.5%	0.2%
Free Water	≤ 0.5%	0.3%
Purity	≥ 99.0% ( $C_{12}H_{22}O_{11} \cdot H_2O$ )	99.3%

Specification Version	v1.1
Manufacture Date	2023-10-25
Re-Test Date	2031-12-06

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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