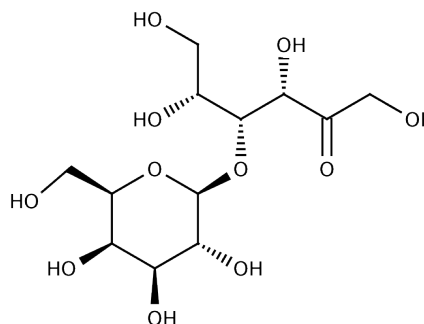


Product Specification

Product Name	Lactulose, Ph. Eur. grade
Glentham Code	GC1952
CAS Number	4618-18-2
EINECS	225-027-7
MDL Number	MFCD00151469
PubChem SID	310275685
Molecular Weight	324.30
Molecular Formula	C ₁₂ H ₂₂ O ₁₁
Storage Temp.	+20°C



Property	Specification
Physical Description	White to almost white crystalline powder
Identification	According to Ph. Eur.
Solubility	Freely soluble in water, sparingly soluble in methanol, practically insoluble in toluene
Solubility (6% in water)	Clear, colourless solution
pH	3.0 - 7.0
Specific Optical Rotation	-50.0 - -46.0 °
Impurity C	≤ 2.0% (lactose)
Any Other Individual Impurity	≤ 0.5%
Total Impurities	≤ 3.0%
Methanol	≤ 50ppm
Boron (B)	≤ 9ppm
Lead (Pb)	≤ 0.5ppm
Water	≤ 2.5%
Sulphated Ash	≤ 0.1%
Total Aerobic Microbial Count	≤ 100CFU/g
E. Coli	Absent
Assay (HPLC)	98.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	Ph. Eur.

Specification Version	-	v1.0
Date Created	-	2014-11-25

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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