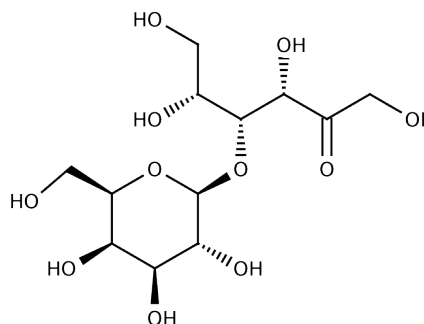


Product Specification

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 : C₁₂H₂₂O₁₁
 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

Product Specification

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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