

Specification

Technical Data Sheet

CAS**4618-18-2****STORAGE****Ambient****MOLECULAR WEIGHT****342.3****PRODUCT****Lactulose liquid**

Product number	90036657
CAS number	4618-18-2
Molecular formula	C ₁₂ H ₂₂ O ₁₁
Molecular weight	342.3 g/mol

PARAMETER**SPECIFICATION**

Appearance	Colourless to ambery syrupy liquid, which may exhibit some precipitation and darkening upon standing
Assay	95.0% - 105.0%
Identification	Positive
pH	2.5 -6.5
Refractive Index	1.451
Epilactose Assay	≤8.0%
Fructose	≤1.0%
Galactose Assay	≤16.0%
Lactose Assay	≤12.0%
Related unidentified substance A	≤1.25%
Related unidentified substance B	≤1.5%
Relative solubility	Miscible with water
Residue on Ignition	≤0.1%
Single unspecified impurity	≤0.25%
Soluble starch and sulfites	≤30ppm

PARAMETER	SPECIFICATION
Specific Gravity	1.300-1.380
Tagatose Assay	≤4.0%
Total Aerobic Count	≤100 CFU/g
Total unknown impurity	≤3.25
Total Yeast & Mould	≤10 CFU/g
E. Coli	Negative/g
Moisture Content	-
Salmonella Species	Negative/10g

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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