

Specification

Technical Data Sheet

CAS 86386-73-4	STORAGE Ambient	MOLECULAR WEIGHT 306.27
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PRODUCT

Fluconazole - USP grade

Product number	90036074
CAS number	86386-73-4
Molecular formula	C ₆ H ₃ F ₂ C(OH)(CH ₂ C ₂ N ₃ H ₂) ₂
Molecular weight	306.27 g/mol

PARAMETER	SPECIFICATION
Appearance	White to off-white powder
Loss on Drying	≤ 0.5%
Melting Point	135 - 145°C
Assay (by Potentiometry)	98.0 - 102.0% (%w/w on dry basis)
Clarity and colour of solution	Clear and colourless (5% methanol solution)
Iron (Fe)	≤ 0.002%
Residue on Ignition	≤ 0.1%
Solubility	Freely soluble in methanol, Soluble in alcohol, sparingly soluble in chloroform, slightly soluble in water.
Total Impurities	≤ 1.5%
UV Absorbance	Absorption maxima at 266 and 261nm
Identification (IR)	Conforms to Reference
Related Compound A	≤ 0.2%
Related compound B	≤ 0.1%
Related compound C	≤ 0.2%
Total Unknown Impurities	≤ 0.3%

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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