



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-211274
Lot Number: SAMPLE
Product Name: Desogestrel
CAS Number: 54024-22-5
Molecular Formula: $C_{22}H_{30}O$
Molecular Weight: 310.47

Test	Specification	Result
Appearance	White or almost white crystalline powder	Complies
Assay (HPLC)	98-102% (as dry basis)	100.02%
Identification (Infrared Spectrum)	Complies	Complies
Specific Rotation	+53° - +57°	+55.8°
Heavy Metals	≤20 ppm	Complies
Loss on Drying	≤0.5%	0.12%
Related Substances	Impurity A ≤0.2% Impurity B ≤0.2% Impurity A ≤0.1% Single unknown impurity ≤0.1% Total impurities ≤0.5%	Negative Negative Negative Complies 0.2%
Solvent residue	Methylene chloride ≤600 ppm n-Hexane ≤290 ppm	Complies
Sulfated Ash	≤0.1%	0.01%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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