



CERTIFICATE OF ANALYSIS

FULVESTRANT

ITEMS	SPECIFICATION	RESULTS
Description	White Or Off-White Crystalline Powder; No Visible Evidence Of Contamination By Foreign Matter.	Conforms
Identification	A. Chromatograms Correspond To That In The Reference Standard. B. Ir Spectrum Of The Sample Corresponds To That Of The Reference Standard C. Positive For Fluorine Test	Conforms
Melting Point	110°C ~ 116°C	110.5 ~ 111.0°C
Specific Rotation	+10° ~ +16°	+12.9°
Water	Not More Than 0.5%	0.22%
Residue On Ignition	Not More Than 0.1%	0.02%
Related Substances	Individual Impurity: Not More Than 0.5% Total Impurities: Not More Than 1.0%	0.2% 1.4%
Heavy Metals	Not More Than 10ppm	<10ppm
Assay	98.0% ~ 102.0% Of C ₃₂ H ₄₇ F ₅ O ₃ S (On The As-Is Basis)	99.0%