

Certificate of Analysis

Posaconazole Semicarbazide analog Impurity D

Product Number	PSR42103	CAS No.	-
Brand	PureSynth	Lot No.	P42103SK1023
Molecular Formula	-	Date of Mfg.	Oct.2023
Molecular Weight	690.35 g/mol	Date of Exp.	Sep.2027

Test	Specification	Result
Description	Grey Solid	Grey Solid
Assay (HPLC)	≥ 90.0 %	95.69 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

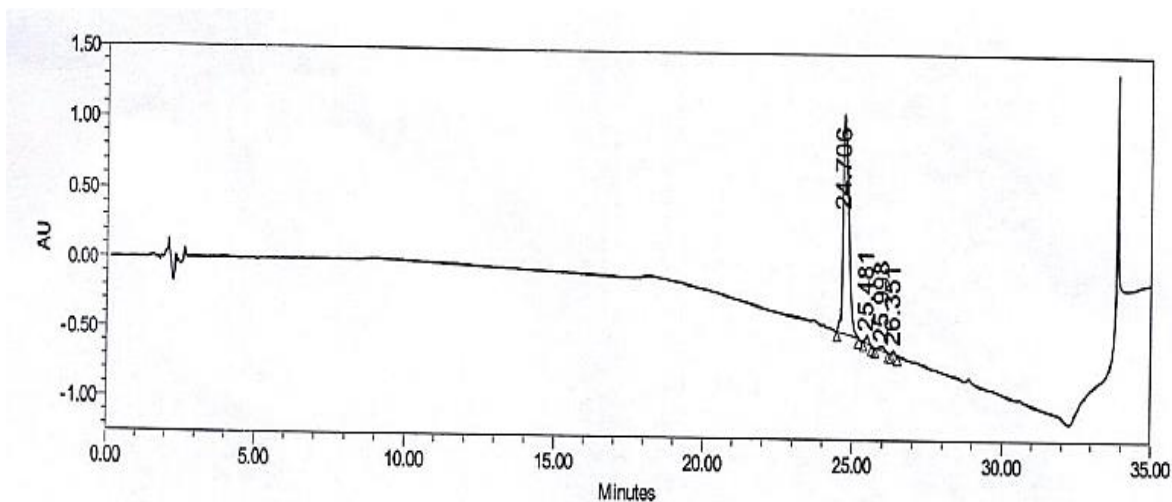
Storage Condition: Store at a temperature of 2-8°C and keep the container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

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Assay by HPLC



	RT	Area	% Area	Height
1	24.706	21086461	95.69	1569892
2	25.481	424850	1.93	52828
3	25.998	354162	1.61	28887
4	26.351	170890	0.78	26778

Purity by HPLC: 95.69 %

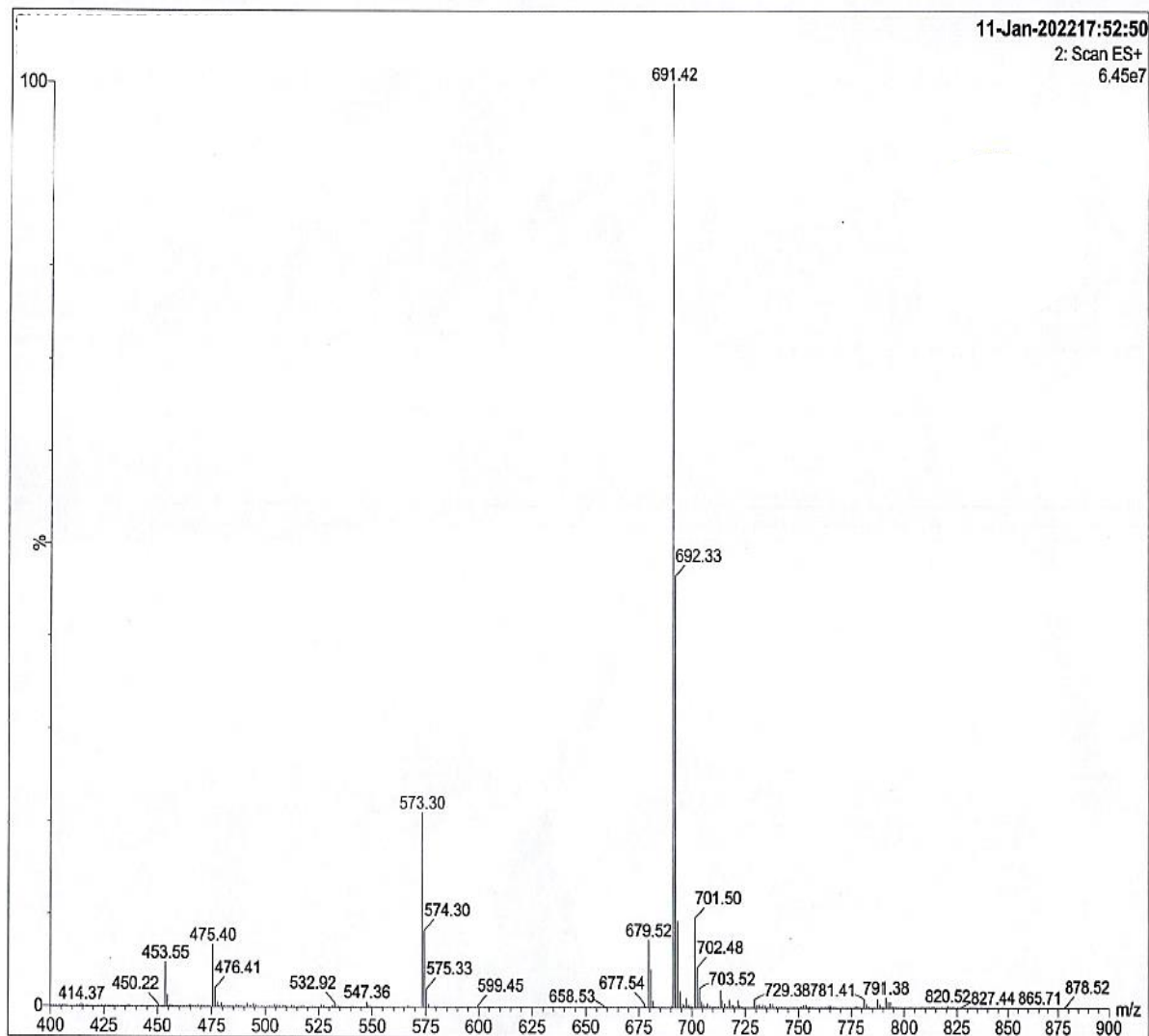
IDENTIFICATION TESTS

MS Spectrum:

Mass by MS:

Product Name: Posaconazole

Product Code: PSR42103



Identification by MS: Conforms to molecular mass

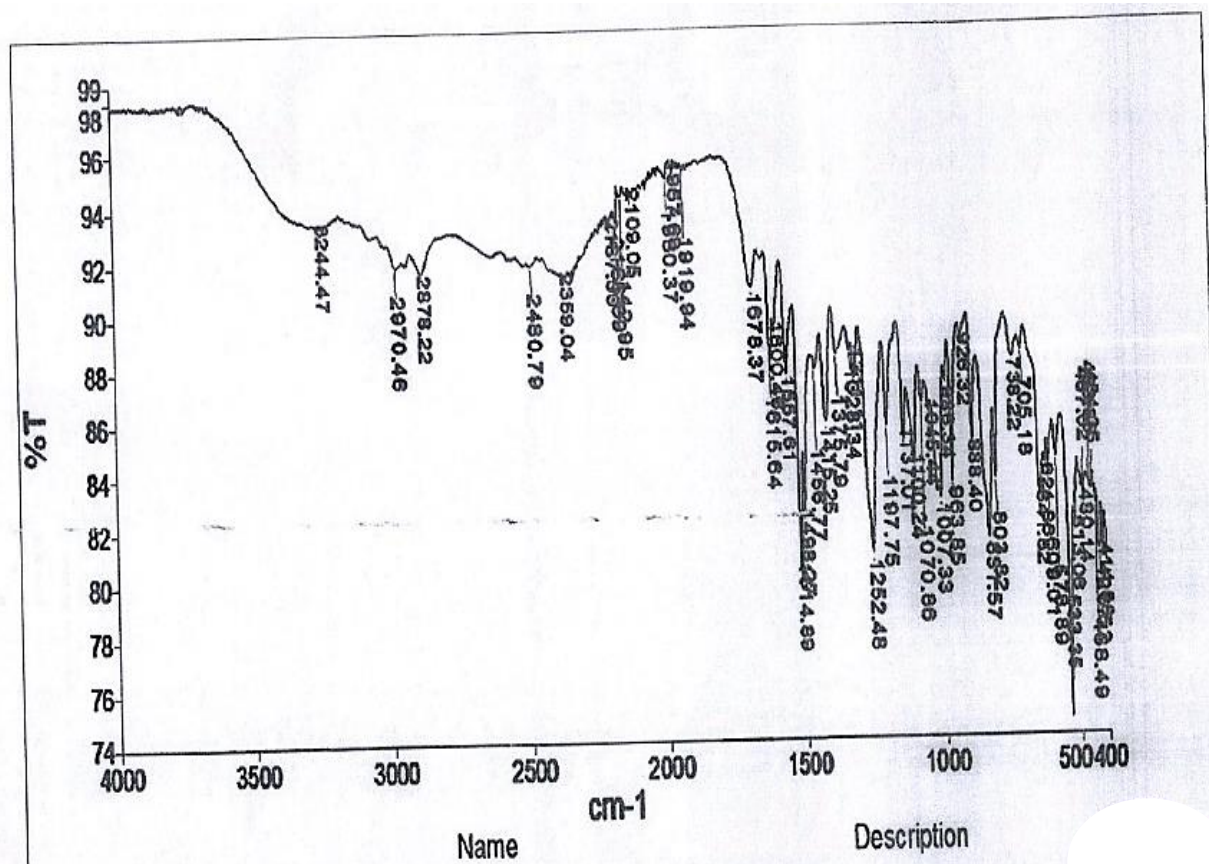
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Infrared spectrum:

Product Name: Posaconazole

Product Code: PSR42103

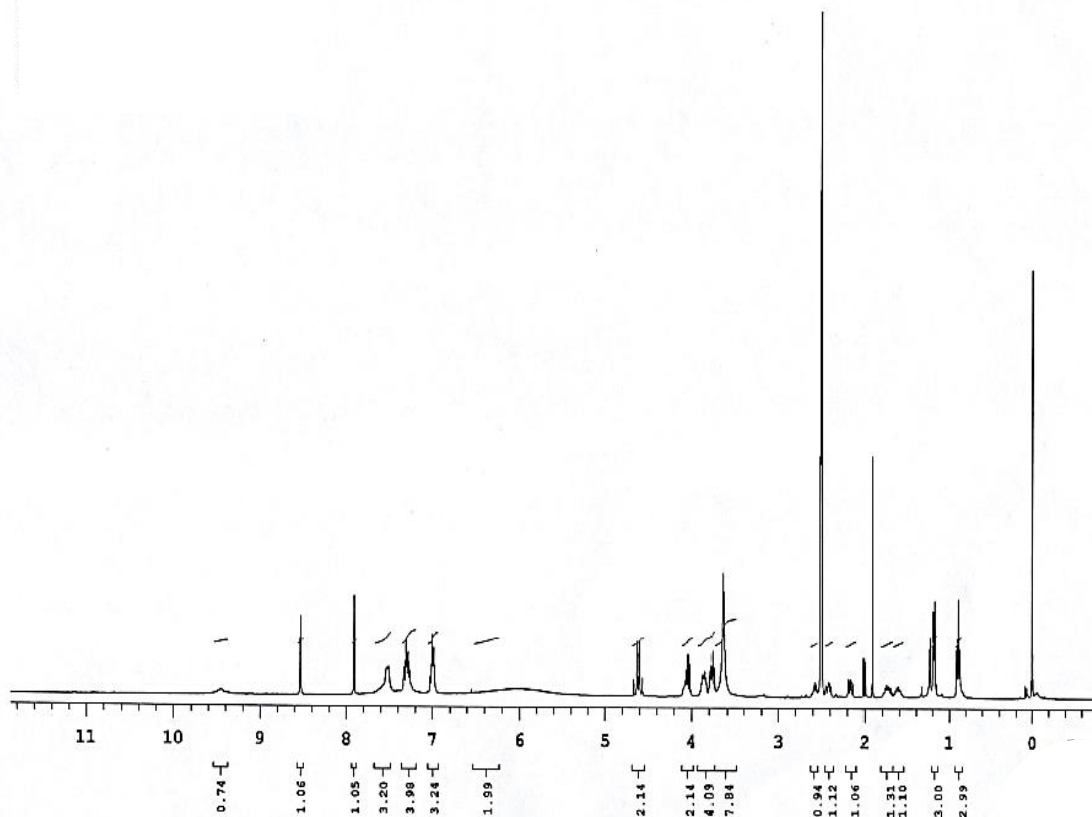


Identification by IR: Conforms to structure

¹H NMR Spectrum:

Product Name: Posaconazole

Product Code: PSR42103



Identification by ¹H NMR: Conforms to structure

Approved By
Head - Technical

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