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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Tryptophan EP Impurity F**

#### Identification:

Chemical Name: (2S)-2-Amino-3-(phenylamino)propanoic acid (as per EP)

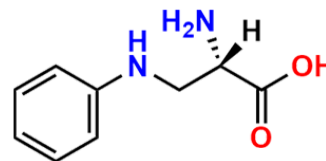
Synonyms : 3-Phenylaminoalanine (EP)

CAS Number : 145545-23-9

CAT Number : CP-T90006

Molecular Formula : C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight : 180.21



#### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.