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## CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2025

Re-test Date: Jul 2028

**Product Name: Rivaroxaban Impurity 12**

### Identification:

Chemical Name: Thiophene-2-carboxylic acid

Synonyms : Thienoic acid

CAS Number : 527-72-0

CAT Number : CP-R17083

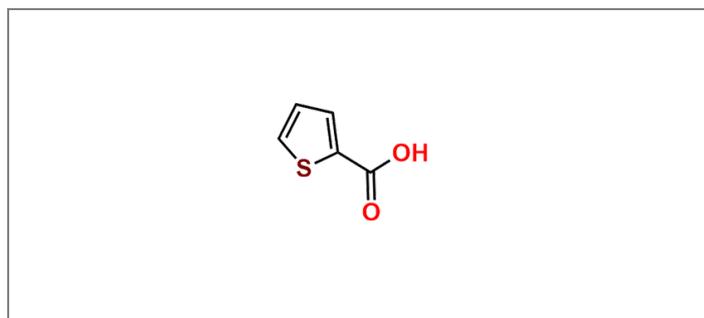
Molecular Formula : C<sub>5</sub>H<sub>4</sub>O<sub>2</sub>S

Molecular Weight : 128.2

Batch Number : CP-RIV-12-0825

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.89%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.962%
9)	Potency by TGA	98.93%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

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