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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

Re-test Date: Nov 2027

**Product Name: Acetazolamide EP Impurity G**

### Identification:

Chemical Name: 5-Amino-1,3,4-thiadiazole-2-thiol (as per EP & USP)

Synonyms : Aminothiadiazole Mercaptan (USP)

CAS Number : 2349-67-9

CAT Number : CP-A6007

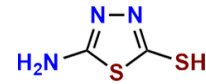
Molecular Formula : C<sub>2</sub>H<sub>3</sub>N<sub>3</sub>S<sub>2</sub>

Molecular Weight : 133.19

Batch Number : CP-ACE-G-1224

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	99.43%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	Weight loss by TGA	0.397 %
8)	Potency by TGA	99.03%



**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.