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CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2025

Re-test Date: Oct 2028

Product Name: Acetazolamide EP Impurity D

Identification:

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

Synonyms : Acetazolamide USP Related
Compound D ; Desacetyl
acetazolamide (USP)

CAS Number : 14949-00-9

CAT Number : CP-A6004

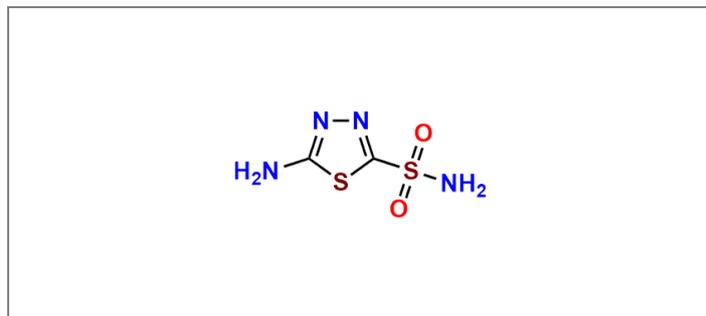
Molecular Formula : C₂H₄N₄O₂S₂

Molecular Weight : 180.21

Batch Number : CHEM-ACE-D

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	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.49%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.741%
9)	Potency by TGA	97.76%



Prepared and Reviewed By

A handwritten signature in blue ink, appearing to be "Priyanka Salunkhe".

Ms Priyanka Salunkhe
(Quality Control)

Approved By

A handwritten signature in blue ink, appearing to be "Rohini Gagare".

Ms Rohini Gagare
(Quality Assurance)

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