

Certificate of Analysis

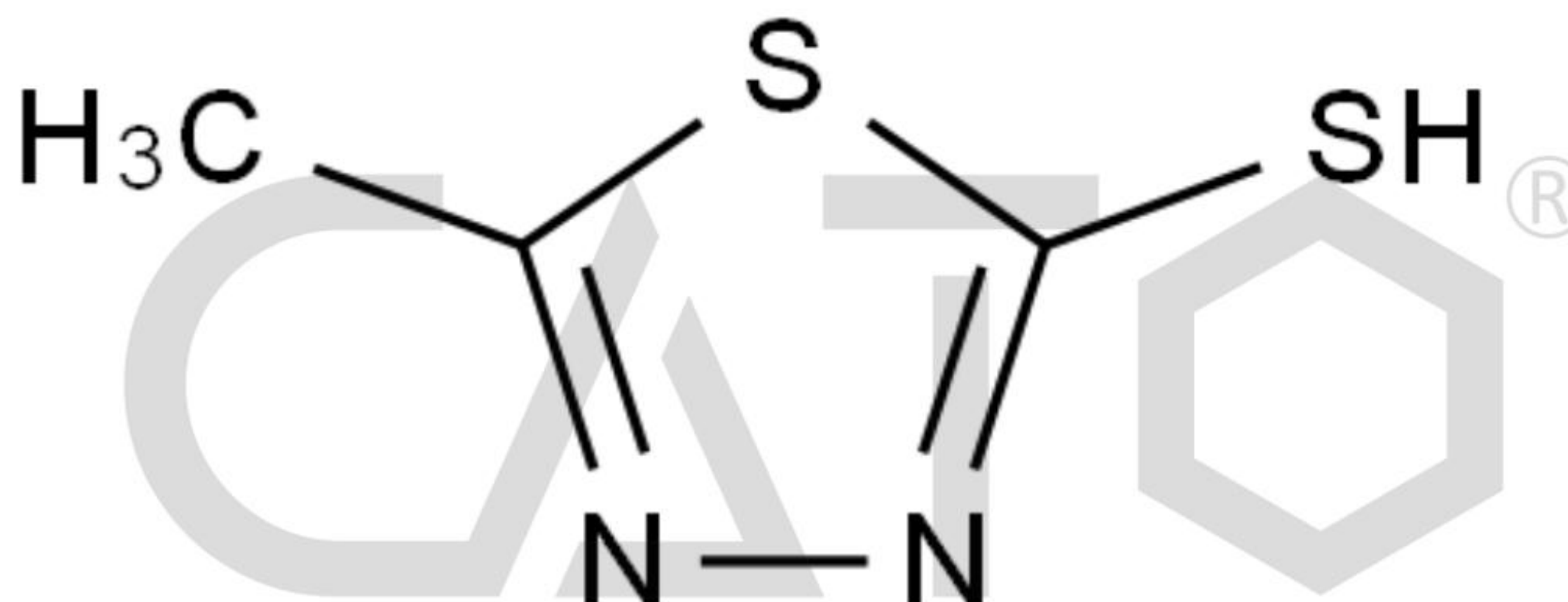
Reference Material & Standard

Product Name:	Cefazolin EP Impurity E(Cefazolin USP RC E)	Catalogue Number:	C4X-12848
Synonyms:	5-Methyl-1,3,4-thiadiazole-2-thiol;Cefalotin Impurity 8	Lot Number:	1223-RG-0022
CAS Number:	29490-19-5	Expiry Date:	Dec 22, 2029
Molecular Formula:	C ₃ H ₄ N ₂ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	132.21	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&IR&CNMR&HNMR	Confirmed
Purity	GC	100.000%
Residue on Ignition	TGA	0.6040%
Loss on Drying	TGA	0.0122%
Assay		99.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity GC (%) /100%

Residue on Ignition and Loss on Drying are considered as absolute effect, GC purity is considered as relative effect.

Signature:

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Date: May 13, 2026

Date: May 14, 2026

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