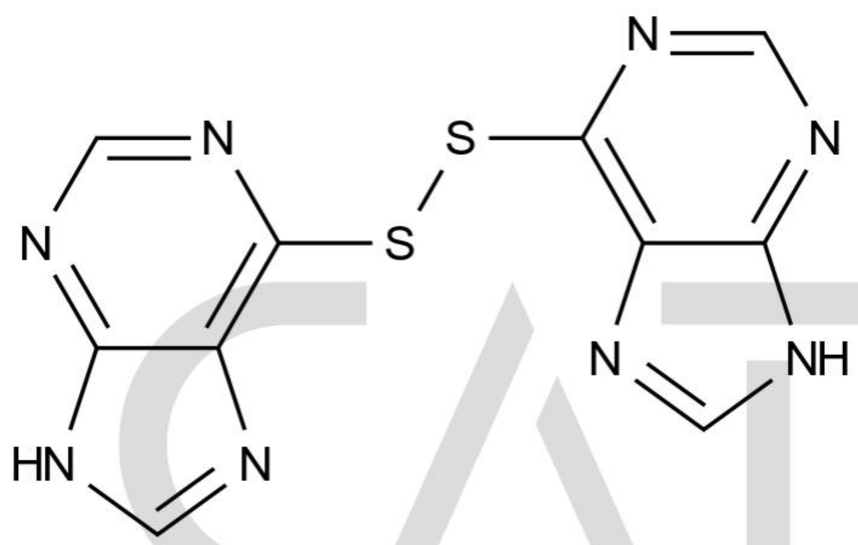
Certificate of Analysis

Reference Material & Standard

Product Name:	Azathioprine Impurity 14	**Catalogue Number:**	C4X-146314
Synonyms:	N/A	**Lot Number:**	0927-RH-0059
CAS Number:	49808-20-0	**Expiry Date:**	Sep 29, 2030
Molecular Formula:	$C_{10}H_6N_8S_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	302.34	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow to Dark Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.024%
Water Content	Karl Fischer	0.25%
Residual Solvents	NMR	1.10% methanol and 0.18% dichloromethane
Assay	Mass Balance	97.5%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%*
Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji Date: Sep 30, 2026

Reviewed by: Lisa Date: Sep 30, 2026

Approved by General Manager: David Date: Sep 30, 2026

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