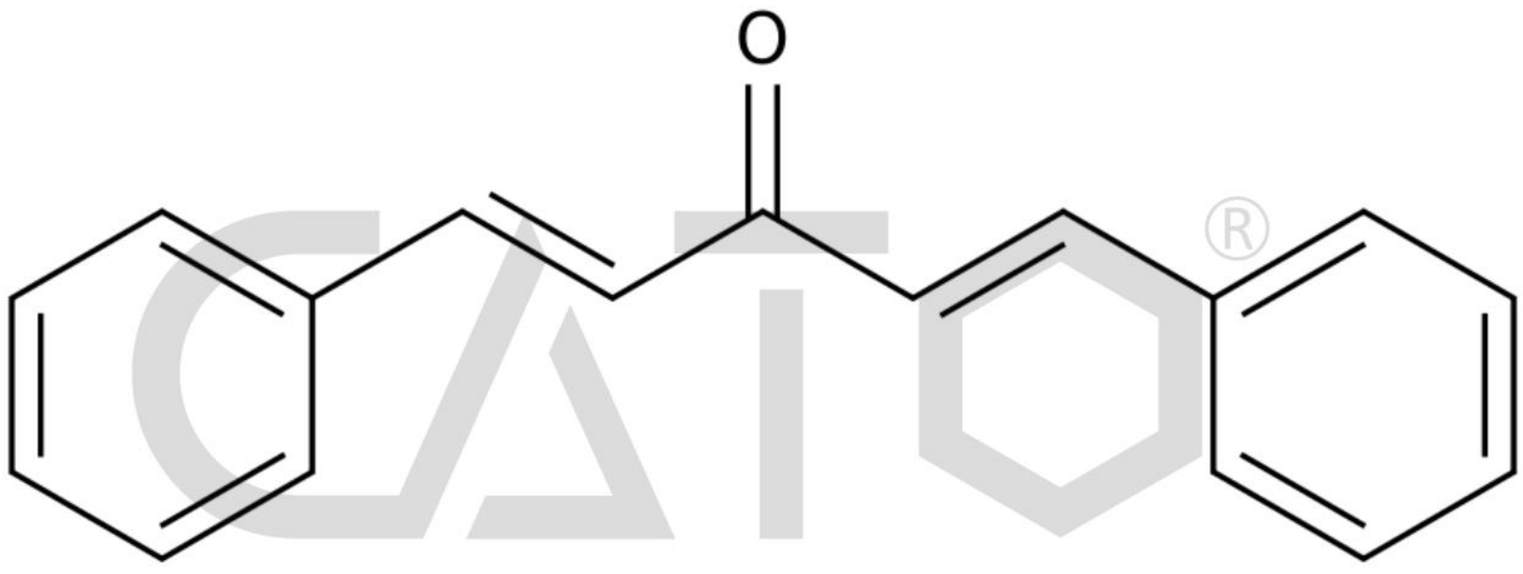
Certificate of Analysis

Reference Material & Standard

Product Name:	Ranitidine Impurity 25	**Catalogue Number:**	C4X-137025
Synonyms:	(1Z,4E)-1,5-diphenylpenta-1,4-dien-3-one	**Lot Number:**	1108-RH-0011
CAS Number:	538-58-9	**Expiry Date:**	Nov 16, 2030
Molecular Formula:	$C_{17}H_{14}O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	234.29	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.890%
Loss on Drying	TGA	0.1550%
Assay	Mass Balance	99.7%

Comment:

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

Signature:

Prepared by: Alice — Date: Nov 17, 2026

Reviewed by: Koi — Date: Nov 17, 2026

Approved by General Manager: David — Date: Nov 17, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SYSTEM CERTIFICATION SGS

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