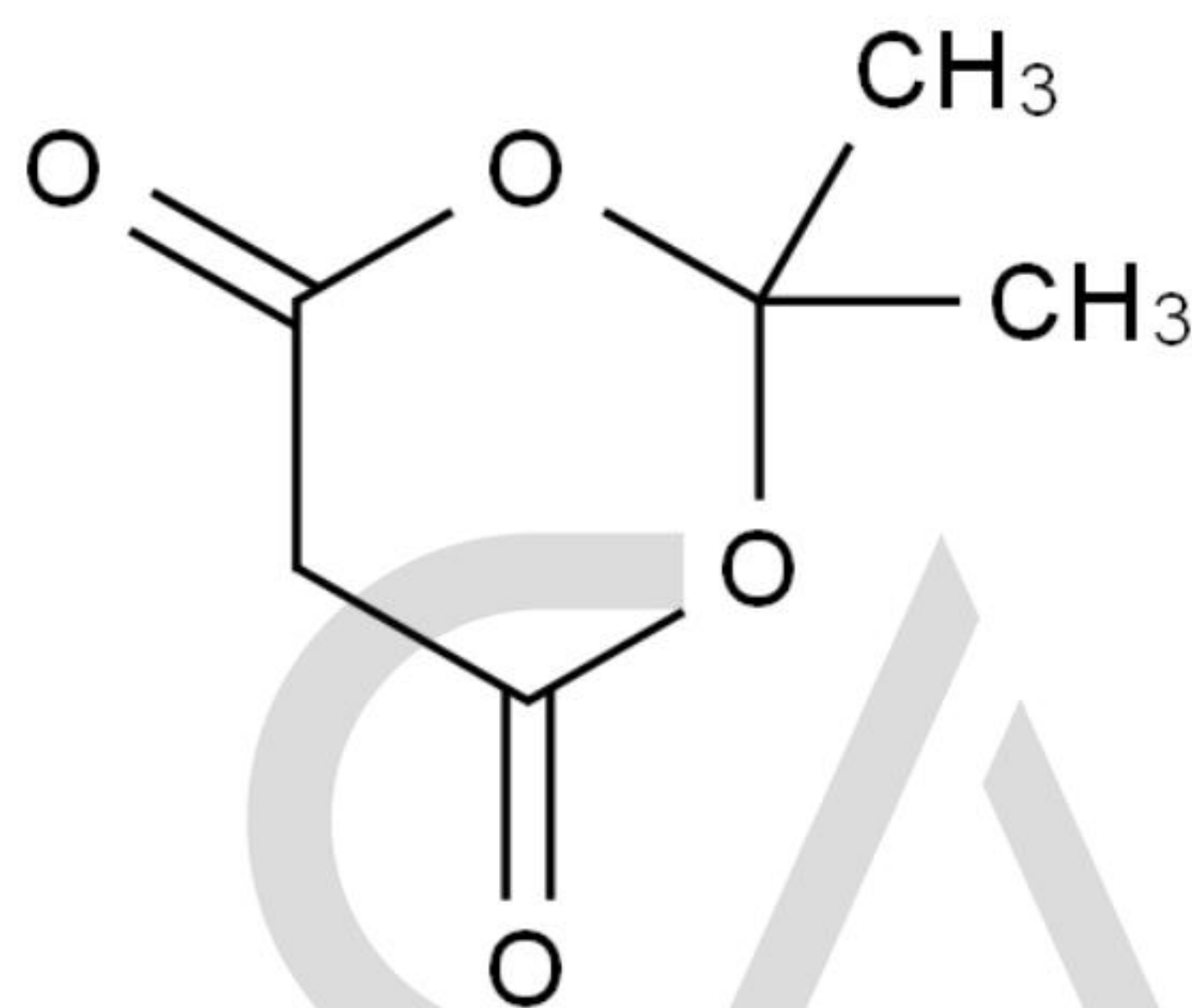


Certificate of Analysis

Reference Material & Standard

Product Name:	Sitagliptin Impurity 53	Catalogue Number:	C4X-114453
Synonyms:	N/A	Lot Number:	0120-RH-0029
CAS Number:	2033-24-1	Expiry Date:	Feb 02, 2030
Molecular Formula:	C ₆ H ₈ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	144.13	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Crystalline Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	GC	93.524%
Water Content	Karl Fischer	0.3773%
Residual Solvents	NMR	1.3% acetone
Assay		92.0%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity GC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Feb 04, 2026

Date: Feb 04, 2026

Date: Feb 04, 2026



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