

Certificate of Analysis

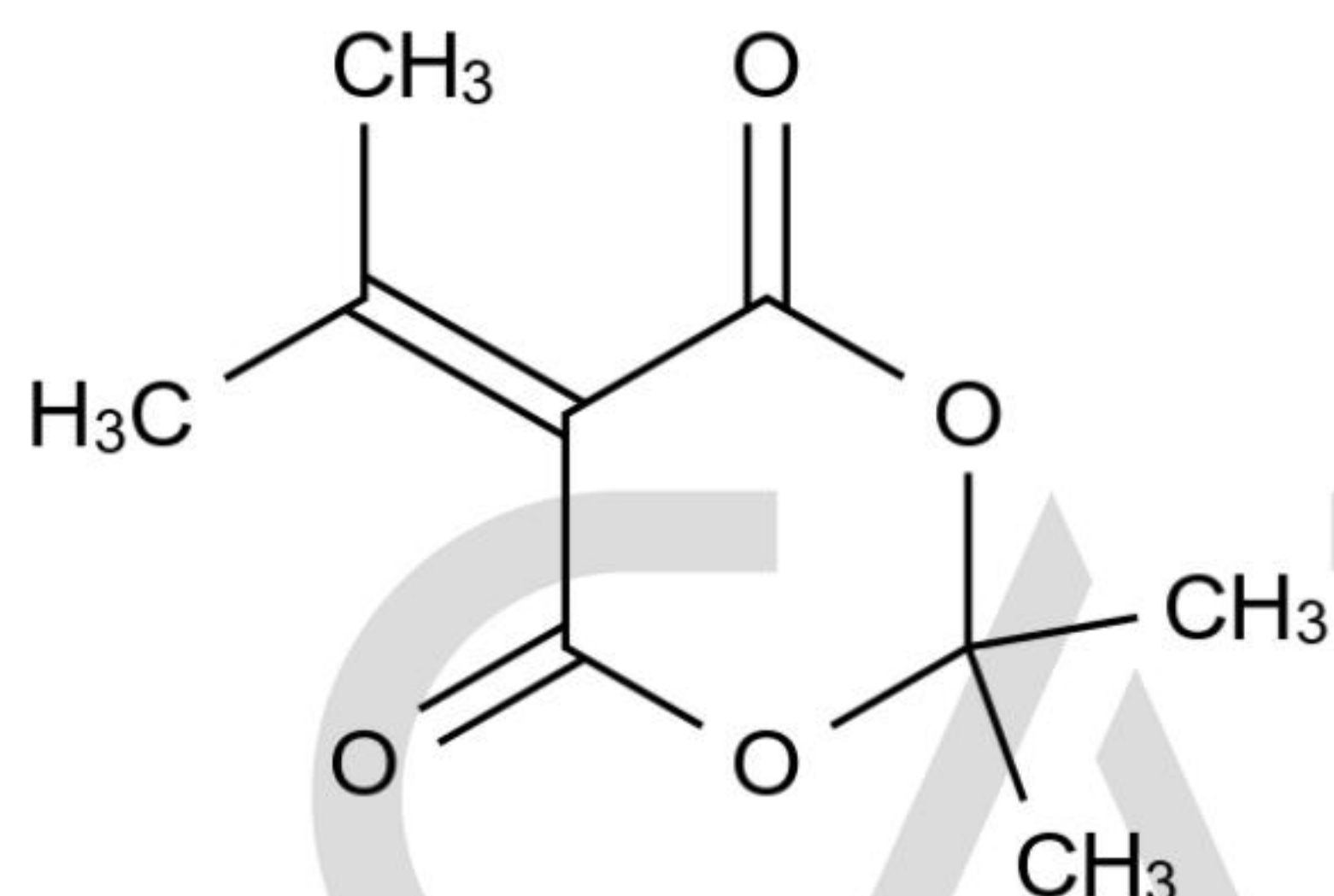
Reference Material & Standard

Product Name:	2,2-Dimethyl-5-(propan-2-ylidene)-1,3-dioxane-4,6-dione	Catalogue Number:	C1594680
Synonyms:	N/A	Lot Number:	1015-RG-0058
CAS Number:	2231-66-5	Expiry Date:	Oct 19, 2029
Molecular Formula:	C ₉ H ₁₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	184.19		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.9156%
Assay		99.1%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Oct 20, 2025

Date: Oct 20, 2025

Date: Oct 20, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat