

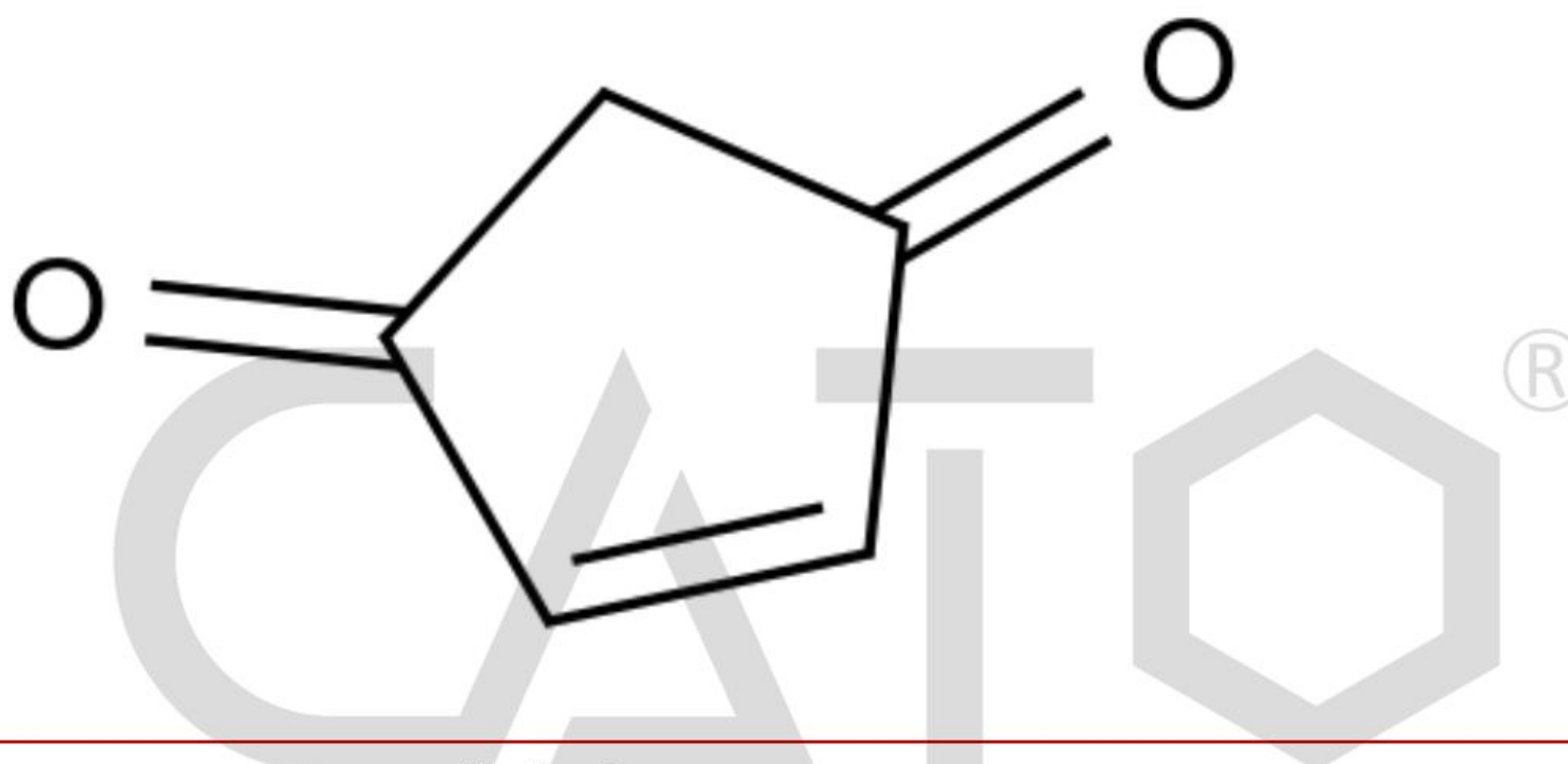
Certificate of Analysis

Reference Material & Standard

Product Name:	Cyclopent-4-ene-1,3-dione	Catalogue Number:	CCHM705466
Synonyms:	N/A	Lot Number:	1211-RF-0048
CAS Number:	930-60-9	Expiry Date:	Dec 16, 2028
Molecular Formula:	C5H4O2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	96.08	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.0%
Assay	qNMR	89.7%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 17, 2024

Date: Dec 18, 2024

Date: Dec 18, 2024

