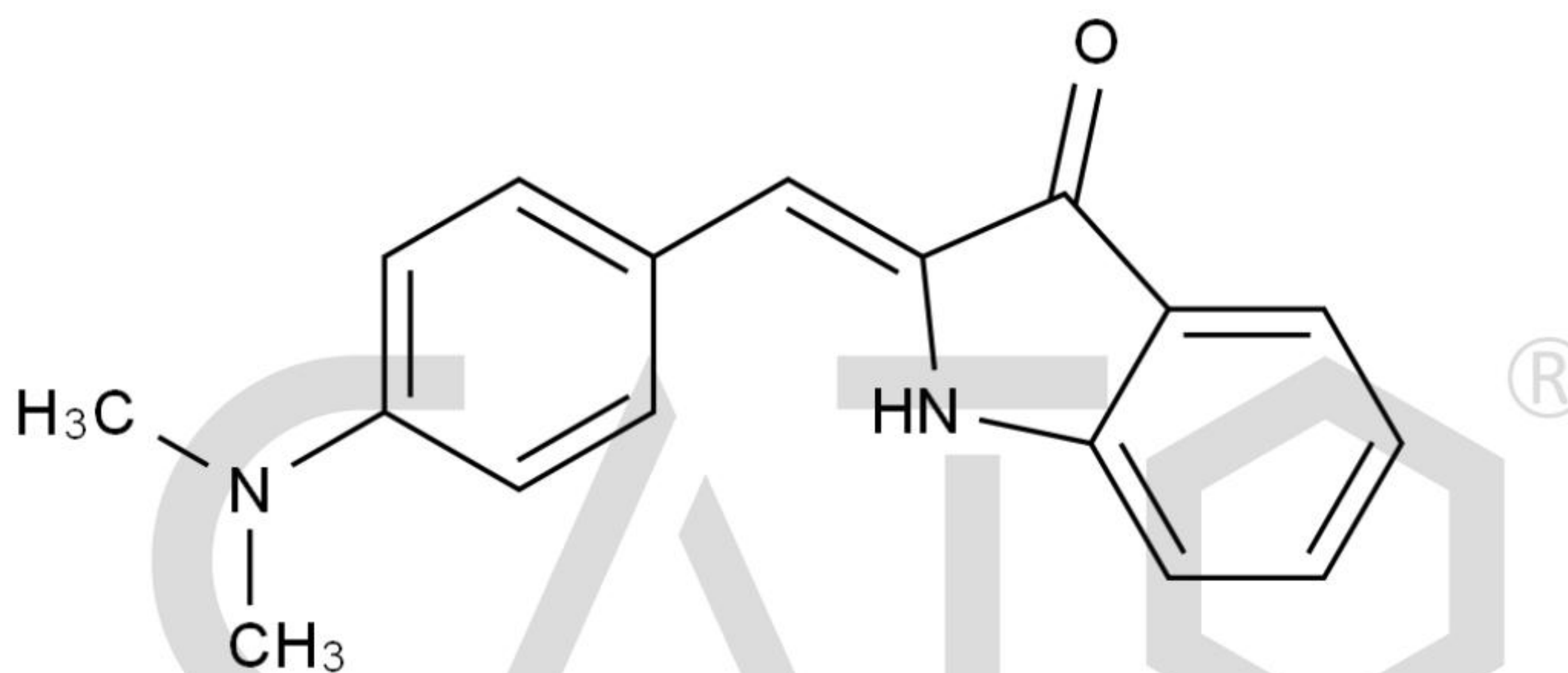


Certificate of Analysis

Reference Material & Standard

Product Name:	Disperse Yellow 39	Catalogue Number:	CCHM702295
Synonyms:	N/A	Lot Number:	0310-RH-0045
CAS Number:	12236-29-2	Expiry Date:	Mar 08, 2030
Molecular Formula:	C ₁₇ H ₁₆ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	264.32	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Black Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.732%
Water Content	Karl Fischer	0.0533%
Assay		97.7%
Uncertainty		±0.5%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.
- 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:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Mar 10, 2026

Date: Mar 10, 2026

Date: Mar 10, 2026

