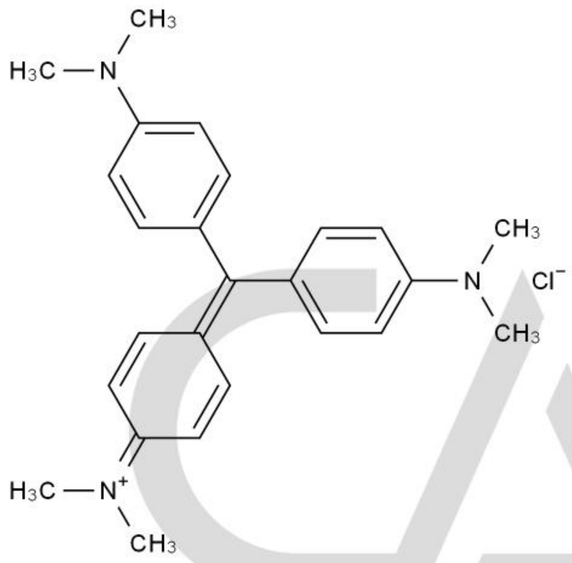
Certificate of Analysis

Reference Material & Standard

Product Name:	Basic Violet 3	**Catalogue Number:**	CWLT600122
Synonyms:	N/A	**Lot Number:**	0428-RB-0011
CAS Number:	548-62-9	**Expiry Date:**	Sep 29, 2029
Molecular Formula:	C25H30N3 Cl	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	372.53 35.45	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Green Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.4590%
Loss On Drying	TGA	4.7947%
Assay		90.9%
Uncertainty		±2.0%

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Comment:

1. The calculation of the 100% 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.
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: Alice Date: Sep 30, 2024

Reviewed by: Hinlam Date: Oct 08, 2024

Approved by General Manager: David Date: Oct 08, 2024

CATO Research Chemicals Inc.