Certificate of Analysis

Reference Material & Standard

Product Name:	Dequalinium Chloride	**Catalogue Number:**	CP139154
Synonyms:	N/A	**Lot Number:**	0616-RG-0039
CAS Number:	522-51-0	**Expiry Date:**	Jun 18, 2028
Molecular Formula:	C30H40Cl2N4	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	527.57	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	5.6834%
Assay		94.3%

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Comment:

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.

Signature:

Prepared by: Alice — Date: Jun 19, 2025

Reviewed by: Koi — Date: Jun 19, 2025

Approved by General Manager: David — Date: Jun 19, 2025

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