



Specification

Crystal Violet Certified

Catalog Number:	CV1001
CAS Number:	548-62-9
Synonyms:	Basic Violet 3, Gentian Violet, Hexamethylpararosaniline chloride, Methyl Violet 10B
C.I. Number:	42555
Molecular Formula:	$C_{25}H_{30}ClN_3$
Molecular Weight:	407.98
Storage:	15°C – 30°C
Retest Date:	Three years after date of manufacture.

Test	Specification
Appearance	Dark green crystals or powder
Assay (anhydrous)	96.0% - 100.5%
Assay Total Dye Content (as is)	≥ 90.0%
Moisture (LOD)	≤ 7.5%
Sensitivity as indicator	To pass test
Visual Transition Interval	From pH 0.0 (yellow) to pH 2.0 (violet)
Spectroscopy (1.0% aqueous)	Abs peak 589nm – 594nm
Alcohol-insoluble substances	≤ 1.0%
Arsenic	≤ 0.001%
Lead	≤ 0.003%
Zinc	≤ 0.05%

Approved by:

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