



# Product Specification

## Product Name: CRYSTAL VIOLET LR

Alternate Name(s) Gentian Violet, Methyl violet, C.I. 42555; Hexamethylenepararosaniline chloride  
Description  
Dark green powder or granules; odourless or almost odourless.

### Properties

Chemical Formula:  $C_{25}H_{30}ClN_3$   
Molecular Weight: 407.99

Product Code: CL067  
CAS No. 548-62-9

### General Information:

Soluble in chloroform. Partially soluble in alcohol and glycerol.

### Hazard and Safety Data

UN Group: III  
Class: 9  
UN Number: 3077  
Hazchem code: 2Z  
CS MSDS Code: 1CH2W  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 47

### Quality Specification

Assay: Dye Content 88.0 % min.

### Specific Properties and Impurities [Typical levels]:

Melting point	189 - 194°C
pH (10g/l water, 20°C)	2.5 - 3.5
Solubility in water 25°C	16g/l
Loss on drying at 105°C	≤ 7.5%
Residue on ignition	≤ 1.5%
Alcohol Insoluble matter	≤ 1.0%
Sensitivity as indicator	To pass test
Visual transition interval	
	From pH 0.0 Yellow
	To pH 2.0 Violet
Lead	≤ 0.003%
Zinc	≤ 0.05%
Chromatographic purity	To pass test

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