

CHEMICAL STORE INC.

Certificate of Analysis

Product Name: Methylene Blue Zinc Free
INCI Name: Basic Blue 9
C.I. Number: 52015
CAS Number: 61-73-4
Lot Number: P5C932 (MB#555657/24)
Expiration Date: 60 months after opening the sealed containers.
Storage: Cool dry storage, away from direct sunlight, in sealed containers

Test Description	Limit	Limit
Appearance	Dark Green Crystalline Powder	Complies
Assay (as is Basis)	80 – 85 %	80.96 %
Assay on Dry Basis	98 – 103 %	98.24 %
Loss on Drying (at 110°C)	8 – 16 %	10.06 %
Residue in Ignition	Pass < 1.2 %	0.48 %
Absorptivity 1%, 1 cm, at Max. 663.0nm	2200 2700	2256
Sulfated Ash	< 1.0 %	0.62 %
Zinc Content	< 100 ppm	93 ppm
Solubility	Clear Blue Solution	Complies
Residual Solvent	Nil	Nil
Aluminum	< 100 ppm Max.	22 ppm
Cadmium	< 1 ppm Max.	N. D.
Chromium	< 10 ppm Max.	3 ppm
Copper	< 100 ppm Max.	74 ppm
Tin	< 10 ppm Max.	1 ppm
Iron	< 100 ppm Max.	71 ppm
Manganese	< 10 ppm Max.	3 ppm
Mercury	Nil	Nil
Molybdenum	< 10 ppm Max.	1 ppm
Nickel	< 10 ppm Max.	2 ppm
Lead	< 10 ppm Max.	2 ppm
Arsenic	< 8 ppm Max.	3 ppm
Chromatographic Purity	Passes tests	Passes

The information in this page is in part the result of the laboratory testing and in part extracted from the original product label or product data sheets.

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