



Specification

Brilliant Green Certified

Catalog Number: BG1001
CAS Number: 633-03-4
C.I. Number: 42040
Synonyms: Basic Green 1
Molecular Formula: $C_{27}H_{34}N_2O_4S$
Molecular Weight: 482.65
Storage: 15°C – 30°C

Test	Specification
Appearance:	Green to green-yellow crystalline powder
Dye content: (TiCl ₃ titration)	95% minimum
Loss on drying:	5% maximum
Lambda max:	625 (428) nm in 50 % ethanol
Absorption Ratio: (A Lambda max -15nm / A Lambda max. +15nm)	Between 0.94 and 1.14
Visual Transition Interval	From pH 0.0 (yellow) To pH 2.6 (green)

Approved:

Date: February 14, 2020

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