
New methylene blue N zinc chloride double salt, Hi-Cert[®]

GRM2650

Product Identifier

CAS No.	:	6586-05-6
EC No.	:	229-516-6
C.I. No.	:	52030
Molecular Formula	:	C ₁₈ H ₂₂ ClN ₃ S.0.5ZnCl ₂
Molecular Weight	:	416.05
Synonym	:	New methylene blue
HS Code	:	3204 13 59
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	Brown to dark brown or deep purple crystals or powder
Solubility	:	5 ppm solution in water yields clear blue solution
Absorption maxima 1 (5 ppm in water)	:	629 - 635 nm
Absorption maxima 2 (5 ppm in water)	:	588 - 594 nm
Absorption maxima 3 (5 ppm in water)	:	284 - 290 nm
Absorption maxima 4 (5 ppm in water)	:	242 - 248 nm
Molar extinction coefficient 1	:	>= 44000 (5 ppm in water at 629-635 nm)
Molar extinction coefficient 2	:	>= 36000 (5 ppm in water at 588-594 nm)
Molar extinction coefficient 3	:	>= 28000 (5 ppm in water at 284-290 nm)
Molar extinction coefficient 4	:	>= 16000 (5 ppm in water at 242-248 nm)
Loss on drying (at 105°C, 2 hr)	:	<= 5.00%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	1