

Acid fuchsin, Hi-Cert™

GRM139


Product Identifier

CAS No.	:	3244-88-0
EC No.	:	221-816-5
C.I. No.	:	42685
Molecular Formula	:	C ₂₀ H ₁₇ N ₃ Na ₂ O ₉ S ₃
Molecular Weight	:	585.54
Synonym	:	Fuchsin acid, Hi-Cert™
HS Code	:	3212 90 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	Green to dark olive green to greenish-black to brown crystals or powder
Solubility	:	20 ppm in acidified water yields clear red solution
Visual pH Transition	:	pH 12 (red) to pH 14 (colourless)
Absorption maximum 1	:	540 - 550nm (20 ppm in acidified water)
Absorption maximum 2	:	283 - 293nm (20 ppm in acidified water)
Absorption maximum 3	:	205 - 215nm (20 ppm in acidified water)
Molar absorptivity 1	:	>= 50000 (20 ppm in acidified water at 540 - 550nm)
Molar absorptivity 2	:	>= 12000 (20 ppm in acidified water at 283 - 293nm)
Molar absorptivity 3	:	>= 40000 (20 ppm in acidified water at 205 - 215nm)
Loss on drying (at 110°C, 2 hr)	:	<= 10.00%

Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statement(s)	:	H315- H319- H335
Precautionary Statement(s)	:	P261- P305+P351+P338
UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	DD4737000
WGK	:	3

