



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Acridine orange

Synonym	: Basic orange 14
Molecular Formula	: $C_{17}H_{20}ClN_3.HCl.1/2ZnCl_2$
Molecular Weight	: 369.96
CAS No.	: 10127-02-3
Colour Index No.	: 46005
Shelf Life	: 5 years

Technical Specification

Appearance	: Red to brown or green or violet powder
Solubility	: 5 ppm in water yields faint orange to very dark brown solution
DNases	: None detected
RNases	: None detected
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima (5 ppm in water)	: 489 - 495 nm
Loss on drying (at 110°C, 2 hr)	: $\leq 5.00\%$