



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Auramine O

Synonym	: Auramine
Molecular Formula	: $C_{17}H_{21}N_3.HCl$
Molecular Weight	: 303.83
CAS No.	: 2465-27-2
Colour Index No.	: 41000
Shelf Life	: 5 years

Technical Specification

Appearance	: Yellow to yellow-green or gold powder
Solubility	: 6 ppm solution in water yields clear yellow to dark-yellow solution
FTIR (KBr disc)	: Matches with the standard pattern
Absorption maxima 1	: 249 - 255 nm (6 ppm in water)
Extinction coefficient 1	: ≥ 12000 (c = 6 ppm in water, at 249 - 255nm, on dry basis)
Absorption maxima 2	: 367 - 373 nm (6 ppm in water)
Extinction coefficient 2	: ≥ 15000 (c = 6 ppm in water, at 367 - 373nm, on dry basis)
Absorption maxima 3	: 429 - 435 nm (6 ppm in water)
Extinction coefficient 3	: ≥ 36000 (c = 6 ppm in water, at 429 - 435nm, on dry basis)
Loss on drying (at 105°C; 2 hr)	: $\leq 10.00\%$