



UNISOURCE CHEMICALS PRIVATE LIMITED

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AN ISO 9001:2015 & GMP CERTIFIED COMPANY

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Amaranth

Synonym	: Acid Red 27
Molecular Formula	: $C_{20}H_{11}N_2Na_3O_{10}S_3$
Molecular Weight	: 604.47
CAS No.	: 915-67-3
Colour Index No	: 16185
Shelf Life	: 5 years

Technical Specification

Appearance	: Reddish brown to dark brown crystals or powder
Solubility	: 20 ppm in water yields clear red to red-brown solution
FTIR (KBr disc)	: Matches with the standard pattern
Loss on drying (at 105°C, 2 hr)	: $\leq 9.4\%$
Nitrogen (N, on dry basis)	: 3.90 - 4.60%
Dye content (on dry basis)	: ~90%