



## Specification

### Amaranth

**Catalog Number:** AA1014  
**CAS Number:** 915-67-3  
**C.I. Number:** 16185  
**Synonyms:** Acid Red 27; Acetacid Red 2BR; Acilan Red SE;  
Azo Red R; Azo Rubine SF; Bordeaux S;  
3-Hydroxy-4-((4-sulfo-1-naphthalenyl)azo)-2,7-  
naphthalenedisulfonic acid trisodium salt  
**Molecular Formula:**  $C_{20}H_{11}N_2Na_3O_{10}S_3$   
**Molecular Weight:** 604.47  
**Storage:** 15°C – 30°C

Test	Specification
<b>Appearance:</b>	<b>Brown to brown with a red cast powder</b>
Total coloring matter Calculated as the sodium Salt	85% minimum
Water-insoluble matter	0.20% maximum
Subsidiary dyes	3.0% maximum
Solubility (10 mg/ml in H <sub>2</sub> O)	Clear dark red to red-brown solution
Cadmium (mg/kg)	1.0 maximum
Mercury (mg/kg)	1.0 maximum
Arsenic (mg/kg)	3.0 maximum
Lead (mg/kg)	10.0 maximum
Heavy metals (as Pb) (mg/kg)	40.0 maximum

Approved:

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John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-252-5397, Fax: 888-211-5523  
[docsupport@gojirafc.com](mailto:docsupport@gojirafc.com)