



SECTION 1: MATERIAL & SUPPLY COMPANY IDENTIFICATION

Product Identifiers

Product Name:	Amaranth Water Soluble
Batch Number.:	FG/19-20/0145
Chemical Name:	Trisodium 2-hydroxy-1-(4-sulfonato-1-naphthylazo) naphthalene-3,6-disulfonate
(INS) Colour Index:	16185 – Food Red 9
Approved Additive Number	123
CAS Number:	915-67-3
Einecs Number:	213-022-2
Formula:	$C_{20}H_{11}N_2Na_3O_{10}S_3$
Expiry Date:	9 TH May 2027
Retest Date:	8 years from manufacture
Manufacture Date:	10 th May 2019
Country of Origin	India

Manufacturer / Supplier Details

Supplier:	Heirloom Body Care
Address:	Unit 9, 28 Coombes Drive PENRITH NSW 2750
Telephone:	02 4722 2123
Fax:	02 4722 2904
Email:	heirloom@heirloombodycare.com.au

Test		Specification	Result
Physical Appearance		Reddish Brown Powder	Reddish Brown Powder
Pure Dye Content	%w/w	Min 85 Max 100	92.38
Sum of volatile matter at 135 ° c & chlorides & sulphates (as sodium salt)	%w/w	15	2.76
Volatile matter at 135 °C	%w/w		3.9
Chlorides (As Sodium Salt)	%w/w		4.42
Sulphates (As Sodium Salt)	%w/w		<0.2
Water insoluble matter	%w/w	0.1	0.079
Combined ether extract	%w/w	<0.2	<0.2
Subsidiary dyes	%w/w	3	1.3
pH of 1% suspension		Min 6 Max 8	7.11
Unsulphonated Aromatic Amines (as Aniline)	%w/w	<0.01	>0.01

Organic Compound other than colouring matter	%w/w	0.5	<0.05
4-aminonaphthalene-1-sulfonic acid	%w/w		<0.2
3-hydroxynaphthalene-2,7-disulfonic acid	%w/w		<0.3
6-hydroxynaphthalene-2-sulfonic acid	%w/w		Not detected
7-hydroxynaphthalene-1,3-disulfonic acid	%w/w		<0.3
7-hydroxynaphthalene-1,3-6-trisulfonic acid	mg/kg		Not detected
Arsenic	mg/kg	1	0.05
Lead	mg/kg	2	0.782
Mercury	mg/kg	1	0.05



Cadmium	mg/kg	1	0.05
Chromium	mg/kg	25	0.701
Tin	mg/kg	10	7.482
Zinc	mg/kg	25	1.322
Copper	mg/kg	10	1.659
Manganese	mg/kg	25	0.674
Antimony	mg/kg	10	0.05
Barium	mg/kg	25	2.221

No further relevant information available