



Certificate of Analysis

FD&C Red

Catalog Number: FR1002
Lot Number: 1030703
CAS Number: 25956-17-6
Synonym(s): Disodium 6-hydroxy-5-[(2-methoxy-5-methyl-4-sulfophenyl)azo]-2-naphthalenesulfonate, Allura Red AC
Molecular Formula: C₁₈H₁₄N₂Na₂O₈S
Molecular Weight: 496.42
Storage: 15°C – 30°C
Date of Manufacture: June 1, 2015
Retest Date: May 31, 2020

Test	Specification	Result
Appearance	Red to brown powder	Conforms
Assay (Tartrate Buffer Titration)	≥ 85.0%	89.31%
Insoluble Matter	≤ 0.2%	0.12%
Subsidiary Dyes	≤ 3.0%	0.30%
Un sulfonated Primary Aromatic Amines (Aniline)	Report	0.006%
Other Organics		
• 6-Hydroxy-2-naphthalene sulfonic Acid, Sodium Salt	Report	0.12%
• 4-Amino-5-methoxy-2-methylbenzene	Report	0.11%
• 6,6-oxybis (2-naphthalene Sulfonic Acid) Disodium Salt	Report	0.35%
Combined Ether Extract	Report	0.066%
Heavy Metals	≤ 40mg/kg	< 40mg/kg
Arsenic	≤ 3.0mg/kg	< 3.0mg/kg
Cadmium	≤ 1.0mg/kg	< 1.0mg/kg
Lead	≤ 10mg/kg	< 2.0mg/kg
Mercury	≤ 1.0mg/kg	< 1.0mg/kg

Approved by:

Date: October 30, 2017

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