



Certificate of Analysis

Orange G Certified

Catalog Number: OG1002
Lot Number: 0627902
CAS Number: 1936-15-8
C.I.# 16230
Synonym(s): 1-Phenylazo-2-naphthol-6,8-disulfonic acid disodium salt, 7-Hydroxy-8-phenylazo-1,3-naphthalenedisulfonic acid disodium salt, Acid Orange 10, Wool Orange 2G
Molecular Formula: $C_{16}H_{10}N_2Na_2O_7S_2$
Molecular Weight: 452.37
Storage: 15°C – 30°C
Date of Manufacture: July 16, 2017
Retest Date: July 15, 2022

Test	Specification	Result
Appearance	Orange powder	Conforms
Dye Content	~90%	96.0%
Absorptivity (1%, λ max 478.8)	≥ 440	478
Spectroscopy	Report	Peak: 478nm Ratio 0.89 (463/493) Density @ peak: 0.811
Solubility (0.1%)	Clear orange solution	Conforms
Moisture (LOD)	$\leq 10\%$	6.4%
Staining Performance	Wilson-Ezrin method for staining pituitary acidophils Flemming's KI violet stain on plant material Counterstain vs Heidenhains regressive heamtoxylin	Conforms Conforms Conforms

All lots meet the standards of the Biological Stain Commission.

Approved by:

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