

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146
www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

Neutral Red Dye

Catalog Number:NR1001Lot Number:0518702CAS Number:553-24-2

Synonym(s): 3-Amino-7-dimethylamino-2-methylphenazine hydrochloride, Basic Red 5,

Toluylene red

Molecular Formula: $C_{15}H_{17}CIN_4$ Molecular Weight:288.78Storage: $2^{\circ}C - 8^{\circ}C$ Date of Manufacture:August 3, 2015Retest Date:August 2, 2020

Test	Specification	Result
Appearance	Very dark green to blackish-brown powder	Conforms
Dye Purity	≥ 90%	92.20%
Solubility (0.1% in 50% EtOH	Clear red solution	Conforms
+ 2mL Acetic Acid)		
Absorptivity (1% in 50% EtOH	1370 - 1520	1402
+ Acetic Acid) @ 541nm		
pH (0.1% in H ₂ O)	3.4 - 3.8	3.57
Moisture (LOD)	≤ 8.0%	7.12%

Date: May 19, 2017

Approved by:

John Grubb

John Grubb, PhD

Gojira Fine Chemicals, LLC

Quality Manager

Tel: 440-539-7033 Fax: 888-211-5523

john@gojirafc.com