



## Specifications

### Neutral Red, 90%

**Catalog Number:** NR1002  
**C.I. Number:** 50040  
**CAS Number:** 553-24-2  
**Synonyms:** Basic Red 5  
**Molecular Formula:** C<sub>15</sub>H<sub>17</sub>ClN<sub>4</sub>  
**Molecular Weight:** **288.78**  
**Storage:** 2°C – 8°C

Test	Specification
Description:	Very dark-green to blackish-brown powder
Lambda max (In 50% Ethanol + .5 ml Acetic Acid)	540 nm
Assay:	90% minimum
Loss on drying at 110 deg.C/1hr:	8 % maximum
Visual Transition Interval	From pH 6.8 (red) To pH 8.0 (yellow)
Solubility 0.1%: in 50% EtOH + 2 ml Acetic acid	Clear red solution
Absorptivity 1% / 1 cm (50% EtOH + Acetic Acid) at Lambda max. 541.0 nm:	1370 - 1520

Approved by:

Date: February 20, 2020

John Grubb, PhD  
Gojira Fine Chemicals, LLC  
Quality Manager  
Tel: 440-539-7033 Fax: 888-211-5523  
[john@gojiraafc.com](mailto:john@gojiraafc.com)