



Product Specification

Product Name: Chlorophenol Red
Cat #: C-278
CAS #: 4430-20-0
Storage: Store at room temperature.

Test	Specifications
Color	brown to redbrown to red
Form	crystalline powder
Color of Solution (0.5% in buffer pH 4)	slightly brown to brown to orange to red
Turbidity (0.5% in buffer pH 4)	≤18.0 NTU
pH (0.5% in water)	1.5-2.5
Water Content (K. Fischer)	≤1.0%
TLC (10 mg/mL in methanol; toluene/ethyl acetate/methanol 1:1:1; UV 254 nm, ammonia vapor)	corresponds to reference material
UV/Vis (maximum absorption wavelength) (0.008 g/L in buffer pH 8.0)	572 to 576 nm
Assay (photometric, calculated on anhydrous substance)	≥85.0%
Purity (HPLC)	≥93.0 area-%
Impurity (Impurity A, HPLC)	≤1.5 area-%
FT-IR Spectrum	corresponds to reference spectrum

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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