

Certificate Of Analysis

Product No. B601977
Product Name: Alizarin
CAS NO. 72-48-0
Lot No. A234849
Inspection Date: 2023-04-08
Reinspection Date: 2025-04-07

Test	Specification
DYE-CONTENT(HPLC)	98%-100%
LOSS ON DRYING	0%-2%
Melting point	287°C-289°C
APPEARANCE	Orange to Brown powder to crystals
INFRARED SPECTRUM	Conforms to Structure
CARBON	67.6%-72.5%
VISUAL INTERVAL	pH 6.8 = Red
SOLUBILITY IN 1N NH ₄ OH	Clear to Turbid, Purple to Dark Purple, c = 1 mg/ml
Extinction Coefficient(λ :227 - 233 nm)	≥ 13000
Extinction Coefficient(λ :268 - 274 nm)	≥ 26000
Extinction Coefficient(λ :564 - 570 nm)	≥ 12000
Extinction Coefficient(λ :606 - 612 nm)	≥ 11000

