

Chem-Impex International, Inc.

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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	22948
Lot Number	000331-33120
Product	Carminic acid

Natural Red 4

	CI 75470
CAS Number	1390-65-4
Molecular Formula	C ₂₂ H ₂₀ O ₁₃

Molecular Weight	492.39
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Appearance	Red powder
Solubility	Soluble in ethanol, alkali hydroxides, borax (0.8 mg/mL), partly soluble in water (8 mg/mL) or dilute acids.
Arsenic (As₂O₃)	< 1 ppm
Cation	Lead (Pb): < 10 ppm
Loss on Drying	12.86%
Ash	7.44%
Dye content	52.45%
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager