

Gardenia Red

Gardenia-derived natural red colour preparation for qualified water-based formulations.

CAS No. Natural colour preparation	EC / List No. Not assigned (natural preparation)	Transport Non-dangerous goods
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Product Information

Gardenia Red is a water-soluble natural colour preparation derived from Gardenia jasminoides materials. The supplied purplish-red to dark-red powder is standardized against a declared colour strength. A multi-constituent botanical preparation has no single pure-pigment formula or molecular weight.

Specifications

Parameter	Specification
Appearance	Purplish-red to dark-red powder
Colour strength, 440±5 nm	Conforms to declared grade
Loss on drying	≤7.0 %
Ash	≤4.0 %
pH, 10% solution	5.0–7.0
Arsenic	≤2 mg/kg
Lead	≤3 mg/kg
Heavy metals as Pb	≤40 mg/kg
Total plate count	≤1000 CFU/g
Yeasts and moulds	≤100 CFU/g
Coliforms	Negative
E. coli	Negative
Salmonella	Negative

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Colour Character	Red shade
Solubility	Water soluble

Applications

Food colour formulations: Natural colour for selected permitted food recipes. Evaluate shade, dosage, processing and complete-product stability with the declared supply grade.

Beverage colour development: Ingredient for qualified beverage colour trials. Test dissolution, pH, heat treatment, light exposure and interactions with the full formulation.

Natural colour blends and personal care: Colour preparation for qualified blends and other permitted formulation applications. Compare carrier compatibility, shade balance and destination-market requirements.

Packaging / Storage

Item	Information
Packing	25 kg cardboard drums
Storage	Store unopened powder in a dark, dry place, preferably at 5–10°C. Protect from heat, moisture and microbiological contamination.
Shelf life	12 months in unopened original packaging under the stated storage conditions.
Handling	Use ventilation, suitable gloves and eye protection. Follow the matched SDS.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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