Beet Red

Beetroot-derived red-to-purple colour preparation for compatible personal-care and other colour formulations.

CAS No.	EC / List No.	Transport
57917-55-2	Not assigned (natural preparation)	Non-dangerous goods

Product Information

Beet Red is a beetroot-derived natural colour preparation with red-to-purple character in water-based systems. The supplied form is red-violet powder. A botanical preparation contains several constituents and must not be represented by the molecular formula or molecular weight of pure betanin.

Specifications

Parameter	Specification
Appearance	Red-violet 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 to purple in aqueous systems
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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