

SPECIFICATION

Product Name: Lake Raspberry Red Powder Food Grade
Chemical Formula: N/A
CAS Number: 2783-94-0
Molecular Weight: 476.4 g/mol
Appearance: vivid red or deep crimson fine powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value		
		LD	MD	HD
Dye Contents				
Total Dye content on AS IS Basis	%	11 – 20%	21 – 30%	31 – 42%
Total Dye Content on Dry Basis	%	11 – 20%	21 – 30%	31 – 42%
Moisture at 110°C for 2 Hours	%	Max. 18%	Max. 18%	Max. 18%
PH of 2% slurry	-	3.7 – 5.0	3.7 – 5.0	3.7 – 5.0
Bleeding for Free Dye Content	%	Max. 0.4%	Max. 0.4%	Max. 0.4%
Sieve Analysis by 325 mesh	%	Min. 85%	Min. 85%	Min. 85%
Bulk density (g./ml)	%	Max. 0.4%	Max. 0.4%	Max. 0.4%
Lead	mg/kg	Max. 10	Max. 10	Max. 10
Arsenic	mg/kg	Max. 3	Max. 3	Max. 3
Heavy Metals	mg/kg	Max. 20	Max. 20	Max. 20
Mercury	mg/kg	Max. 1	Max. 1	Max. 1
Cadmium	mg/kg	Max. 1	Max. 1	Max. 1

Physical Properties

- Solubility: Insoluble in water. Insoluble in ethanol. Insoluble in propylene glycerol.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated place at 15–25°C. Keep the container tightly closed and protect from moisture, direct sunlight, excessive heat, and contamination. Store in the original, properly labeled container to maintain color stability and product quality.

Applications

- Use: Widely used as a food colorant to impart a stable red to raspberry-red color in a wide range of products. It is commonly used in confectionery, bakery products, dairy products, snack foods, dry beverage mixes, tablets, capsules, sugar coatings, and other food and nutraceutical formulations. Because it is an insoluble lake pigment, it is especially suitable for oil-based, fat-based, and low-moisture applications where water-soluble colors are not suitable.
- Dosage: Depends on the intended application, desired color intensity, and applicable food regulations.

Packaging

- Standard Packing: 25 Kgs HDPE Drum or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
* Specifications are based on the manufacturer's provided specifications.